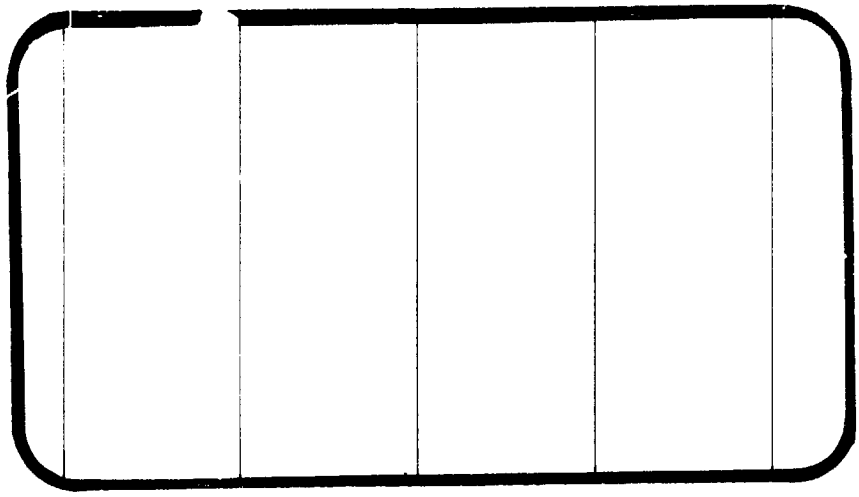
NASA CR-
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SUBSONIC WING [illegible]
(Ow57m) (CHRYSLER CORP.)
$17.25

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Unclas
CSCL 22F G3/12 05847

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

October, 1974

DMS-DR-2074
NASA CR-134,414

EFFECTS OF THE AIR BREATHING ENGINE PLUMES ON SSV ORBITER SUBSONIC WING PRESSURE DISTRIBUTIONS (OA57A)

By

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Prepared under NASA Contract Number NAS9-13247

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Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL SPECIFICS:

Test Number: NAAL 709
NASA Series No.: OA57A
Test Date: 6 August - 17 August 1973
Model Number: 2-0

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

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ABSTRACT

Experimental aerodynamic pressure investigations were conducted on a 0.0405 scale representation of the -89 Space Shuttle Orbiter ferry configuration in the Rockwell International 7.75 x 11.00 foot Low Speed Wind Tunnel (NAAL) during the time period from August 6, 1973 to August 17, 1973. The NASA designation for this test was OA57A.

The primary test objective was to investigate the orbiter wing pressure distribution resulting from five under-wing engine nacelle plumes. Two five engine nacelle configurations were tested at 3 ground plane heights with pressure bug measurements being made on the left upper and lower wing panel. In addition, base and balance cavity pressure measurements were made, with elevon normal and hinge moment measurements on the right panel.

A total of 61 runs was made during the test period, with variables of 2 configurations, 3 ground plane heights (h/b = 0.038, 0.125 and 0.286), 5 engine pressure ratios (P_{TN}/P_{∞} = 0, 1.0, 1.3, 1.5, and 1.9) and elevon deflections of 0°, 5°, 15°, and -15°. The model was mounted on a 2.5" diameter dummy balance using a W-1052-S sting and W-1092-A-2 adapter. Model rotation point was at the trailing edge of the root chord. Nacelle total and static pressures were measured separately while the wing panel, model base, ground plane static and body flap pressures were measured on scanivalve.

The nominal angle of attack range was -4° to 20° at 0° sideslip angle. A constant Mach number of 0.165 was maintained throughout the test.

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Fig. 126	EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B = .038 ELEVON = 0	(H)	PTN/P	301
Fig. 127	EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B = .125 ELEVON = 0	(H)	PTN/P	302
Fig. 128	EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B = .286 ELEVON = 0	(H)	PTN/P	303
Fig. 129	EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B = .038 ELEVON = 15	(H)	PTN/P	304
Fig. 130	EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B = .125 ELEVON = 15	(H)	PTN/P	305
Fig. 131	EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B = .286 ELEVON = 15	(H)	PTN/P	306
Fig. 132	EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J24 H/B = .038 ELEVON = 0	(I)	PTN/P	307
Fig. 133	EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J24 H/B = .125 ELEVON = 0	(I)	PTN/P	308
Fig. 134	EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J24 H/B = .286 ELEVON = 0	(I)	PTN/P	309
Fig. 135	EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J15 H/B = .038 ELEVON = 0	(I)	PTN/P	310

INDEX OF DATA FIGURES (Conc'uded)

FIGURE NUMBER	TITLE	SCHEDULE OF COEFFICIENTS PLOTTED	CONDITIONS VARYING	PAGES
Fig. 136	EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J15 H/B = .125 ELEVON = 0	(I)	PTN/P	311
Fig. 137	EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J15 H/B = .286 ELEVON = 0	(I)	PTN/P	312

SCHEDULE OF COEFFICIENTS PLOTTED:

(A) CP versus 2Y/B

(B) CP versus X/C

(C) DELCP versus 2Y/B

(D) CP versus X/L

(E) CP versus ALPHA

(F) CN versus ELEVON, CLM versus ELEVON

(G) CHME versus ALPHA, CNE versus ALPHA

(H) CPBASE versus ALPHA

(I) CAB versus ALPHA

NOMENCLATURE
General

SYMBOL	SADSAC SYMBOL	DEFINITION
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2, psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2, psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$
		Reference & C.G. Definitions
A_b		base area; m^2, ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
ℓ_{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2, ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

SYMBOL	SADSAC SYMBOL	DEFINITION
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)
ADDITIONS TO STANDARD LIST

SYMBOL	PLOT SYMBOL	DEFINITION
P_{TN}	PT1 or PTN	total nozzle pressure
δ_a	AILPON	total aileron deflection angle, (left aileron-right aileron)/2
δ_e	ELEVON	elevon, surface deflection angle, positive deflection, trailing edge down; degrees
ΔC_p	DELCP	incremental pressure coefficient
C_{A_b}	CAB	base axial force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
$C_{p_{base}}$	CPBASE	base pressure coefficient; $(p_b - p_\infty)/q$
R_e	RN/L	Reynold's number, RN/L, millions per foot
δ_{Bf}	BDFLAP	flap, surface deflection angle, positive deflection trailing edge down; degrees
y/b/2	2Y/B or η	local spanwise position/wing semi-span
x/c	X/C	local chordwise position/wing chord length
γ		ratio of specific heats, 1.4
T		temperature, °R
ℓ		distance from moment reference point to wing static pressure tap
h_{WTE}/b	H/B	ratio of height of wing trailing edge above ground plane to reference span
X.C.P.		distance from MRP to C.P. on X axis, inches
C_{HM}	CHME	elevon hinge-moment coefficient, $\frac{\text{hinge moments}}{q\, S_E\, \bar{c}_E}$

NOMENCLATURE (Concluded)

SYMBOL	PLOT SYMBOL	DEFINITION
C_{N_E}	CNE	elevon normal force coefficient, $\frac{\text{normal-force}}{qS}$
ℓ_B		body length
$C_{A_{B_C}}$		balance cavity axial force coefficient
$C_{A_{B_1}}$		base axial force coefficient

SUBSCRIPTS

E	elevon
i	conditions at station i
L	lower surface
0	freestream static
N	nozzle
P_i	applicable to pressure at station i
u	upper surface

CONFIGURATIONS INVESTIGATED

The model used for this test period was an 0.0405-scale representation of the Rockwell International -89B Space Shuttle Orbiter. The basic model is of the blended wing-body design utilizing a double delta wing (75°/45° Λ_{LE}), full span elevons (unswept hingeline), and a canopy. To complete this orbiter ferry configuration, air breathing engine nacelles were located in various groupings and locations on the wing and fuselage as per SS-A00028.

All model components were per VL70-000089B configuration except for the fuselage lines from station 1307 aft and the various engine nacelle groupings and locations.

The orbiter model was constructed of wood and aluminum and was mounted on the Task Corporation 2.5 inch MK IX dummy balance. The following nomenclature was used to designate the various model components:

Component	Description
B_{16}	-89B fuselage
C_5	-89B canopy
F_1	Body flap
J_{15}	Air breathing propulsion system consisting of two podded nacelles and one individual nacelle
J_{24}	Air breathing propulsion system consisting of five individual nacelles
W_{87}	-89B double delta wing (75°/45° Λ_{LE})
E_{18}	Full span elevon
X_9	Transition grit located on model nose, all swept surfaces

TEST FACILITY DESCRIPTION

North American Aerodynamics Laboratory (NAAL) 7.75 x 11-foot Wind Tunnel is a continuous flow, closed circuit, single return tunnel capable of speeds up to 200 miles per hour.

The test section is vented to atmospheric pressure and is 7.75 x 11 feet wide and 12 feet long. Power is supplied by a 1250-horsepower nacelle-mounted synchronous motor driving a 19-foot, seven-blade, laminated birch propeller. Airspeed is controlled by using a magnetic clutch to vary the degree of coupling between the motor and propeller. Turbulence is minimized by a damping screen and a honeycomb section in the settling chamber upstream from the contraction cone (ratio 7.53 to 1).

Tests may be conducted using a variety of mounting systems: single strut, double strut, sting strut, reflection plane, cable suspension, or two-dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting-mounted internal balances. An Astrodata Automatic Data Acquisition System collects, multiplexes, digitizes, and records on magnetic tape 50 channels of force or pressure data or both. Data are then reduced and plotted using automatic data processing equipment and an automatic digital plotter.

The NAAL Wind Tunnel has been operating since June 1943. Calibrations are available over a wide range of test conditions.

DATA REDUCTION

Since only wing pressures and elevon hinge data were required during the test period, the model was mounted on the Task MK IX 2.5" dummy balance. Therefore no corrections were made for balance and sting deflection. But standard facility corrections for blockage were applied as required. A base and balance cavity axial force coefficient was calculated as presented below:

$$C_{A_{B_C}} = -\left(\frac{P_{BC}-P_\infty}{q}\right)\left(\frac{A_{BC}}{S_w}\right)$$

and:

$$C_{A_{B_1}} = -\left(\frac{P_B-P_\infty}{q}\right)\left(\frac{A_B}{S_w}\right), \quad P_B = 1/5\ (P_{B_1} + .. + P_{B_5})$$

Elevon hinge moments and normal force coefficients were calculated in the following manner:

$$C_{HM} = \frac{HM_E}{qS_E\ \bar{c}_E}$$

where: HM_E = (gage output) (calib. factor), in-lbs

S_E = Elevon area, ft^2

$\bar{c}_E$ = M.A.C. of elevon, in.

and:

$$C_{N_E} = \frac{HM_E}{qS\ (\bar{c}_E/2)}$$

S = Reference area, ft^2

Static pressure coefficients were calculated as shown below:

$$C_{p_i} = \frac{(P_{s_i}-P_{s_o})}{q}$$

where:

P_{s_i} = Local static pressure - psf

P_{s_o} = Tunnel static pressure - psf

q = Tunnel dynamic pressure - psf

DATA REDUCTION(Continued)

Wind panel normal force and pitching moment (about 56% body length) coefficients were calculated as presented below:

$$C_N = \sum_{1}^{30} (C_{pi_L} - C_{pi_u}) \frac{A_{pi}}{S}$$

where: C_{pi_u} = Upper surface pressure coefficient

C_{pi_L} = Lower surface pressure coefficient

A_{p_i} = Area of influence for P_i - ft^2

S = Reference area - ft^2

and: $$C_{m_{.65\ell_B}} = \sum_{1}^{30} C_{N_i} \frac{\ell_i}{\bar{c}}$$

where:

ℓ_i = Distance of tap from moment reference point-in.

$\bar{c}$ = Reference length-in.

and:

$$XCP = \frac{C_m}{C_N} (\bar{c})$$

DATA REDUCTION (Continued)

The following reference dimensions and constants were used in data reduction.

Basic constants:

Symbol	Definition	Model Scale
S	Reference area - ft^2	4.412
b	Reference span - in.	37.935
$\bar{c}$	Reference length - in.	19.230
S_E	Elevon reference area - ft^2	0.336
$\bar{c}_E$	Elevon reference length - in.	3.44
A_N	Nacelle exit area - ft^2	0.01278
XMRP	Moment reference point on X axis, in.	43.598
YMRP	Moment reference point on Y axis, in.	0.0
ZMRP	Moment reference point on Z axis, in.	-0.405

DATA REDUCTION (Concluded)

Wing pressure constants A_{P_i}/S & $\ell_i/\bar{c}$:

η =		0		.334		.520		.663		.876
X/C	A_{P_i}/S	$\ell_i/\bar{c}$	A_{P_i}/S	$\ell_i/\bar{c}$	A_{P_i}/S	$\ell_i/\bar{c}$	A_{P_i}/S	$\ell_i/\bar{c}$	A_{P_i}/S	$\ell_i/\bar{c}$
.15	.0732	.282	.0592	.019	.0355	-.131	.0355	-.246	.0236	-.418
.30	.0489	.065	.0395	-.122	.0236	-.247	.0223	-.332	.0157	-.460
.45	.0489	-.152	.0395	-.263	.0236	-.363	.0223	-.419	.0157	-.502
.60	.0489	-.369	.0395	-.404	.0236	-.479	.0223	-.505	.0157	-.544
.75	.0489	-.586	.0395	-.545	.0236	-.595	.0223	-.592	.0157	-.586
.90	.0489	-.803	.0395	-.686	.0236	-.711	.0223	-.679	.-157	-.628

Wing pressure chord constants:

η	FULL SCALE				MODEL SCALE			
	Y	C	MS_{LE}	MS_{TE}	Y	C	MS_{LE}	MS_{TE}
	IN	IN	IN	IN	IN	IN	IN	IN
0	0	687.5	836.5	1524.0	0	27.844	33.878	61.722
.334	156	505.5	992.0	1497.5	6.318	20.473	40.176	60.649
.520	243	402.5	1079.5	1482.0	9.824	16.301	43.720	60.021
.663	310	324.0	1146.0	1470.0	12.555	13.122	46.413	59.535
.876	410	206.0	1246.0	1452.0	16.605	8.343	50.463	58.806
1.000	468.34	137.5	1304.5	1442.0	18.968	5.569	52.832	58.401

TABLE I.

TEST : 0A57A (NAAL 709)

DATE : 8/16/73

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.165	1.20×10^6/ft.	40 psf	

BALANCE UTILIZED: 2.5 INCH MK IX DUMMY

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF			
SF			
AF			
PM			
RM			
YM			

COMMENTS: INSTRUMENTED TO RECORD WING, GROUND PLANE, OMS POD, AND BASE PRESSURES AND ELEVON HINGE MOMENTS.

TABLE II.*

TEST: B 747 (Arbitrary) DATA SET/RUN NUMBER COLLATION SUMMARY DATE: 8/16/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTION $\eta_{T/B}$	CONTROL DEFLECTION δ_e	CONTROL DEFLECTION M	CONTROL DEFLECTION δ_F	NO. OF RUNS	H/δ MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) .038	.125	.286	TEST RUN NUMBERS
HDT 001	$B_{16}C_5F_1J_{24}W_{87}E_{18}X_9$	A/B	0	1.0	0	0.16	-18	3	2	5	9	
002				1.3				1			10	
003				1.5				2	3	7		
004				1.9	↓			3	4	8	12	
005				1.0	15			3	22	18	13	
006				1.3				1			14	
007				1.5				2	23	19		
008				1.9				3	24	20	16	
009				1.0	-15			2	25	29		
010				1.5				2	26	30		
011	↓			1.9	↓			2	27	32		
012	$B_{16}C_5F_1J_{45}W_{87}E_{18}X_9$			1.0	0			3	55	60	33	
013				1.3				1			35	
014				1.9	↓			3	56	61	34	
015				1.0	15			3	52	47	44	
016				1.3				3	51	46	43	
017				1.9	↓			3	50	48	42	
↓ 018	↓	↓	↓		5	↓	↓	1			40	

1 7 13 19 25 31 37 43 49 55 61 67 75 76

C,P, COEFFICENTS H_1/B_1 $A,L,P,H,A,$

α OR β SCHEDULES: A: α = 10, 15, 20; B: α = -4, 0, 10, 15, 20

IDVAR (1) IDVAR (2) NDV

*Collation for ground plane pressure data

TABLE II.* (Continued)

TEST: [illegible] DATA SET/RUN NUMBER COLLATION SUMMARY DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)			TEST RUN NUMBERS
HLT[illegible]	$B_{16}C_5F_1J_{15}W_{87}E_{10}X_9$	T/P	C	1.3	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
HDT[illegible]	↓	T/P	C	1.9	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CP COEFFICENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A: [illegible] 0, 15, 20

R: α = -4, 0, 10, 15, 20

* Solution for [illegible] plane [illegible] data

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TABLE II.* (Continued)

TEST: ATLAS (NAVY 709) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 8/16/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES h/b	δe	δF	Nj	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) PTN/Pc 1.0	1.3	1.5	1.9	TEST RUN NUMBERS
[illegible]	$B_{16}C_5F_1J_{24}W_{87}E_{18}X_9$	A	0	.039	0	-18	0.16	3	2		3	4	
[illegible]		B		.125					5		7	8	
[illegible]		B		.286					9	10		12	
[illegible]		A		.039	15				[illegible]		23	[illegible]	
[illegible]		B		.125					[illegible]		19	20	
[illegible]		B		.286					13	14		16	
[illegible]		B		.039	-15				21		26	[illegible]	
[illegible]		B		.125					29		30	32	
[illegible]	$B_{16}C_5F_1J_{15}W_{87}E_{18}X_9$	A		.039	0			2	54			[illegible]	
10		B		.125					61			64	
11		B		.286				3	33	35		34	
12		A		.039	15				52	51		52	
13		B		.125					47	46		46	
14		B		.286					44	43		43	

1 7 13 19 25 31 37 43 49 55 61 67 75 76

C.P. [illegible] PTN/Pc IALPHA

COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

α OR β SCHEDULES

A: α = 10, 15, 20

B: α = -4, 0, 12, 15, 20

*Collation for body flap-top = CDT001 to CDT014

Collation for body flap-bottom = DDT001 to DDT014

TABLE II. (Continued)

TEST: ØA57A(NAAL709) DATA SET/RUN NUMBER COLLATION SUMMARY DATE: 8/16/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES $P_{T_{inHg}}$	h/b	δ_F	δ_e	δ_a	NO. OF RUNS	MACH NUMBERS 0.16	TEST RUN NUMBERS
EDT0001	$B_{16}C_5F_1U_{24}W_{87}E_{18}X_9$	10°	0°	VAR	.038	-18	0°	0°	1	1	
002		A		1.0						2	
003				1.5						3	
004				1.9						4	
005		B		1.0	.125					5	
006				0						6	
007				1.5						7	
008				1.9						8	
009				1.0	.286					9	
010				1.3						10	
011				0						11	
012				1.9						12	
013				1.0			15°			13	
014				1.3						14	
015				0						15	
016				1.7						16	
017				0	.125					17	
018				1.0						18	

1 7 13 19 25 31 37 43 49 55 61 67

CTN/P, CABC, CAB1, CPB1, CPB2, CPB3, CPB4, CPB5, CHME, CNE, MACH, ALPHA, CLM, CN

COEFFICENTS

CLAR(1) CLAR(2)

α OR β SCHEDULES

α_A = 10°, 15°, 20°

α_B = -4°, 0°, 5°, 10°, 15°, 20°

TABLE II. (Continued)

TEST : [illegible]

DATA SET RUN NUMBER COLLATION SUMMARY

DATE 8/16/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES					NO. OF RUNS	MACH NUMBERS / TEST RUN NUMBERS
		α	β	[illegible]	h [illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	2	0°	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]		▼			▼					20
[illegible]		4		[illegible]	[illegible]					[illegible]
[illegible]										[illegible]
[illegible]				[illegible]						[illegible]
[illegible]				[illegible]			▼			24
[illegible]							[illegible]			25
[illegible]				[illegible]						[illegible]
[illegible]				[illegible]						[illegible]
[illegible]		▼			▼					[illegible]
[illegible]		3		[illegible]	[illegible]					[illegible]
[illegible]				[illegible]						[illegible]
[illegible]				[illegible]						31
[illegible]	▼			[illegible]	▼		▼			32
[illegible]	[illegible] X_9			[illegible]	.250		0°			33
[illegible]				[illegible]						34
[illegible]				[illegible]						35
▼	▼	▼	▼	[illegible]	▼	▼	▼	▼	▼	36

1 7 13 19 25 31 37 43 49 55 61 67 75 76

PT[illegible]P CAB1 CABC CPB1 CPB2 CPB3 CPB4 CPB5 CHME CNE MACH ALPHA

COEFFICIENTS: CLM, CN

IDVAR(1) IDVAR(2) NDV

α OR β SCHEDULES

α_A = [illegible]

[illegible]

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TABLE II. (Continued)

TEST: Ø-57 (NAS-701) — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 8/16/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES M_∞	h/b	ε_f	δ_2	δ_4	NO. OF RUNS	MACH NUMBER C_{m_0}
0-57	E_{HC} S_2 $T_{0.15}$ h/b / E_B X_H	B	0°	1.9	.266	-15	5°	0		
039				1.3						
040				1.9						
041				1.0			↓			
042				0			15°			
043				1.9						
044				1.3						
045				1.0		↓				
046				0	.125					
047				1.3						
048				1.0						
049		↓		1.9	↓					
050		A		0	.038					
051				1.9						
052				1.3						
053				1.0			↓	↓		
054				0			0°	15°		
055	↓	↓	↓	1.9	↓	↓	↓	↓	↓	

1 7 13 19 25 31 37 43 49 55 61 67 73

PITCH, CAB1, CABC, CPB1, CPB2, CPB3, CPB4, CPB5, CHME, CNE, MACH, ALPHA

CLM, CN

α OR β SCHEDULES

COEFFICIENTS: α: A = 10°, 15°, 20°

β: H = -4°, 0°, 5°, 10°, -5°, -20°

PLOT RUN NUMBER

TABLE II. (Concluded)

TEST: CA57 (NAAL707)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 8/16/73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES z_{cg}/c_0	h/b	δ_F	δ_e	δ_a	NO. OF RUNS	MACH NUMBERS 0.16				TEST RUN NUMBERS
RDT C55	F, 105-A/B, 5/C, X3	A	C°	.0	.028	-1B	C°	15°	1	55				
C56				.0				0°		56				
C57				.0						57				
C58				.0						58				
C59		E		.0	.125					59				
C60				1.9						60				
C61				1.0						61				

1 7 13 19 25 31 37 43 49 55 61 67 75 78

PIN/P, CRB1, CRBC, CPB1, CPB2, CPB3, CPB4, CPB5, CHME, CNE, MACH, ALPHA, CLM, CN

α OR β SCHEDULES: X_A = 10°, 15°, & 20°

COEFFICENTS

X_B = -4°, 0°, 5°, 10°, 15° & 20°

TABLE III.

MODEL COMPONENT DIMENSIONAL DATA

MODEL COMPONENT: BODY - B16

GENERAL DESCRIPTION: -89B Fuselage

Scale Model = 0.0405

DRAWING NUMBER: VL72-000089

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length ~ in.	1328.30	53.796
Max. Width		
Max. Depth ~ in.	248.00	10.044
Fineness Ratio		
Area ~ ft^2		
Max. Cross-Sectional	355.28	0.583
Planform		
Wetted		
Base		

TABLE III. - Continued.

MODEL COMPONENT: Canopy C5

GENERAL DESCRIPTION: -89B Canopy

Scale Model = 0.0405

DRAWING NUMBER: VL70-000092

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length		
Max. Width		
Max. Depth		
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		
Sta. Fwd. Bulkhead, fus. sta.	391.00	15.836
Sta. T.E. , fus. sta.	560.00	22.680

TABLE III. - Continued.

MODEL COMPONENT: Elevon E18

GENERAL DESCRIPTION: Unswept Hingeline Elevon used on Wing W87

Scale Model - 0.0405

DRAWING NUMBER: VL70-000093

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - ft^2	205.52	0.337
Span (equivalent)	353.34	14.310
Inb'd equivalent chord	114.78	4.649
Outb'd equivalent chord	55.00	2.228
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.208	0.208
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	0.000	0.000
Tailing Edge	-10.020	-10.020
Hingeline	0.000	0.000
Area Moment (Normal to hinge line) ft^3	1548.07	2.539

TABLE III. - Continued.

MODEL COMPONENT: BODY - Flap - F1

GENERAL DESCRIPTION: Body flap located on lower aft portion of fuselage trailing edge.

Scale Model - 0.0405

DRAWING NUMBER: VL70-000003A

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length	236.54	9.580
Max. Width		
Max. Depth		
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform	199.75	0.328
Wetted		
Base		
Flap L.E. fus. sta., in.	1528.30	61.896
Flap T.E. fus. sta., in.	1650.56	66.848

TABLE III. - Continued.

MODEL COMPONENT: Jet Plume Engine System J15

GENERAL DESCRIPTION: Four under-wing twin podded nacelles plus one bottom center line nacelle

SCALE MODEL = 0.0405

DRAWING NUMBER: SS-A00027

DIMENSIONS: Per Nacelle	FULL-SCALE	MODEL SCALE
Length - in.	231.580	9.379
Max. Width - in.	52.000	2.106
Max. Depth - in.	52.000	2.106
Fineness Ratio		
Area		
Max. Cross-Sectional - sq.in.	2123.717	3.483
Nozzle - sq. in.	1122.327	1.841
Wetted		
Base		

	OUTBOARD	INBOARD	CENTER
Forebody Nose			
Model Station - in.	38.880	38.880	38.880
Water Line - in.	10.328	10.328	9.577
Thrust Line			
Buttock Line - in.	±11.138	± 8.546	0
Incidence - deg.	4	4	4

TABLE III. - Continued.

MODEL COMPONENT: BODY - Jet Plume Engine System J24

GENERAL DESCRIPTION: Four under-wing separated nacelles plus one bottom center line nacelle.

SCALE MODEL = 0.0405

DRAWING NUMBER: _____

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length	231.580	9.379
Max. Width	52.000	2.106
Max. Depth	52.000	2.106
Fineness Ratio		
Area		
Max. Cross-Sectional	2123.717	3.483
Planform	1122.327	1.841
Wetted		
Base		

	OUTBOARD	INBOARD	CENTER
Forebody Nose			
Model Station - in.	43.619	38.880	38.880
Water Line - in.	10.880	10.328	9.577
Thrust Line			
Buttock Line - in.	±12.555	± 8.343	0
Incidence - deg.	4	4	4

TABLE III. - Continued.

MODEL COMPONENT: Wing, W87

GENERAL DESCRIPTION: Double Delta Wing (75°/45° ALE)

Scale Model = 0.0405

DRAWING NUMBER: VL70-000093

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area-ft^2		
Planform	2689.38	4.411
Wetted		
Span (equivalent)-ft.	77.17	3.125
Aspect Ratio	2.214	2.214
Rate of Taper	1.176	1.176
Taper Ratio	0.209	0.209
Dihedral Angle, degrees @X/C=75.33%	3.861	3.861
Incidence Angle, degrees	3.000	3.000
Aerodynamic Twist, degrees	-	-
Toe-In Angle	-	-
Cant Angle	-	-
Sweep Back Angles, degrees		
Leading Edge	44.873	44.873
Trailing Edge	-10.242	-10.242
0.25 Element Line	35.050	35.050
Chords:		
Root (Wing Sta. 0.0)	690.19	27.953
Tip, (equivalent)	144.30	5.844
MAC	476.76	19.309
Fus. Sta. of .25 MAC	1136.12	46.013
W.P. of .25 MAC	289.44	11.722
B.L. of .25 MAC	181.03	7.330
Airfoil Section		
Root	-	-
Tip	-	-
EXPOSED DATA		
Area-ft^2	1746.8[illegible]	2.865
Span, (equivalent) -ft.	59.16	2.396
Aspect Ratio	2.004	2.004
Taper Ratio	0.256	0.256
Chords -in.		
Root	562.77	22.792
Tip	144.30	5.844
MAC	394.81	15.990
Fus. Sta. of .25 MAC	1185.17	47.999
W.P. of .25 MAC	291.56	11.808
B.L. of .25 MAC	250.54	10.147
Leading Edge Cuff		
Planform Area - ft^2	121.42	0.199
L.E. Intersects Fus.@Sta.	560.00	22.860
L.E. Intersects Wing @ Sta.	1035.00	41.918

TABLE III. - Concluded.

MODEL COMPONENT: Transition Strips - X_9

GENERAL DESCRIPTION:

Model Scale = 0.0405

Type: GLASS BEADS

DIMENSIONS:	FULL SCALE	MODEL SCALE
LOCATIONS IN. AFT OF L.E. (MEASURED STREAMWISE)		
Fuselage	N/A	1.0
Wing		1.0
Vertical		
Trimmer		
Canopy		
OMS Pod		
WIDTH IN.		
Fuselage		
Wing		
Vertical		
Trimmer		
Canopy		
OMS Pod		
HEIGHT IN.		
Fuselage		0.0054
Wing		0.0077
Vertical		
Trimmer		
Canopy		
OMS Pod		

NOTES:

1. Positive directions of force cofficients moment coefficients, and angles are indicated by arrow
2. For clarity, origins of wind and stability axes hove been displaced from the center of gravity

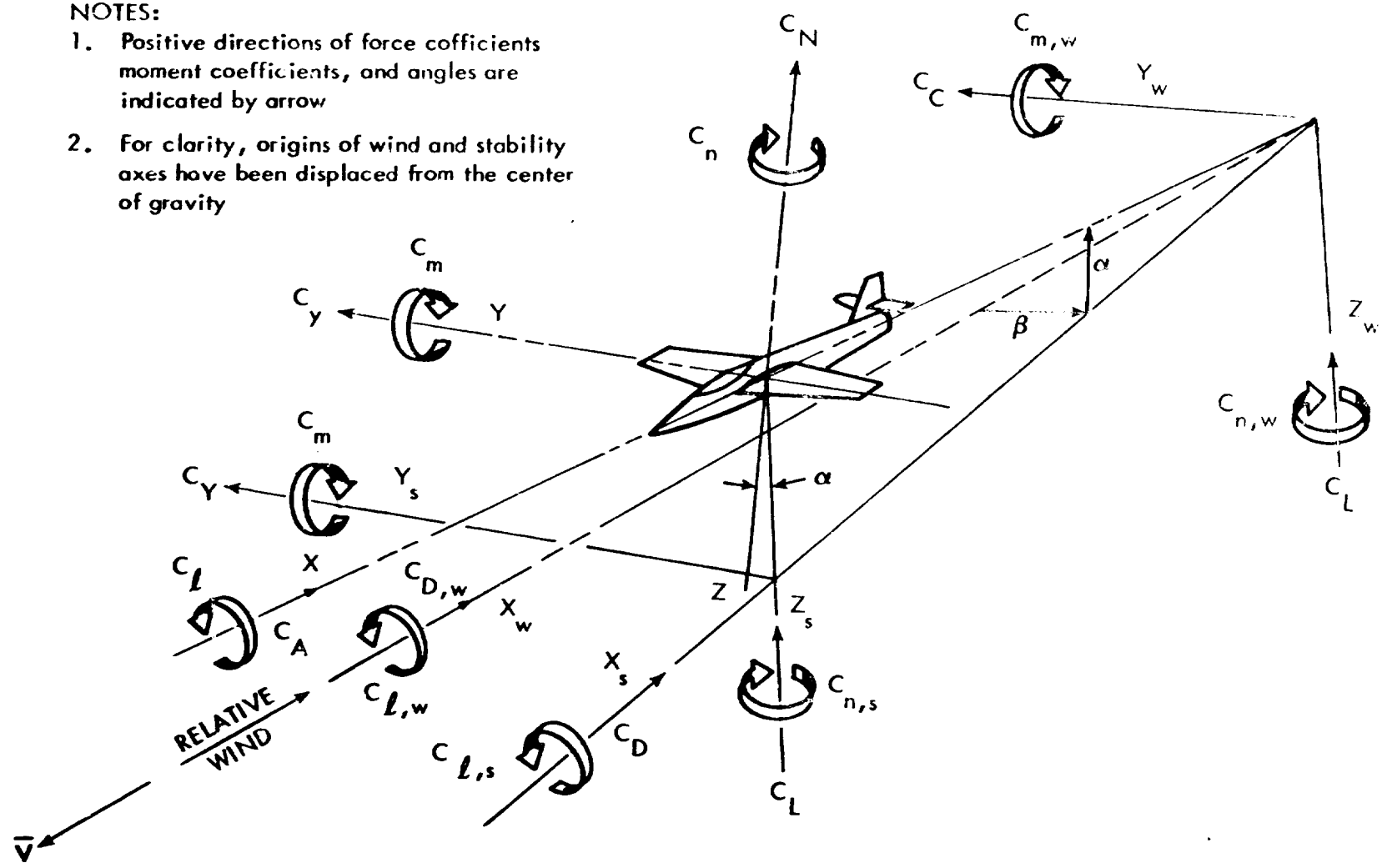
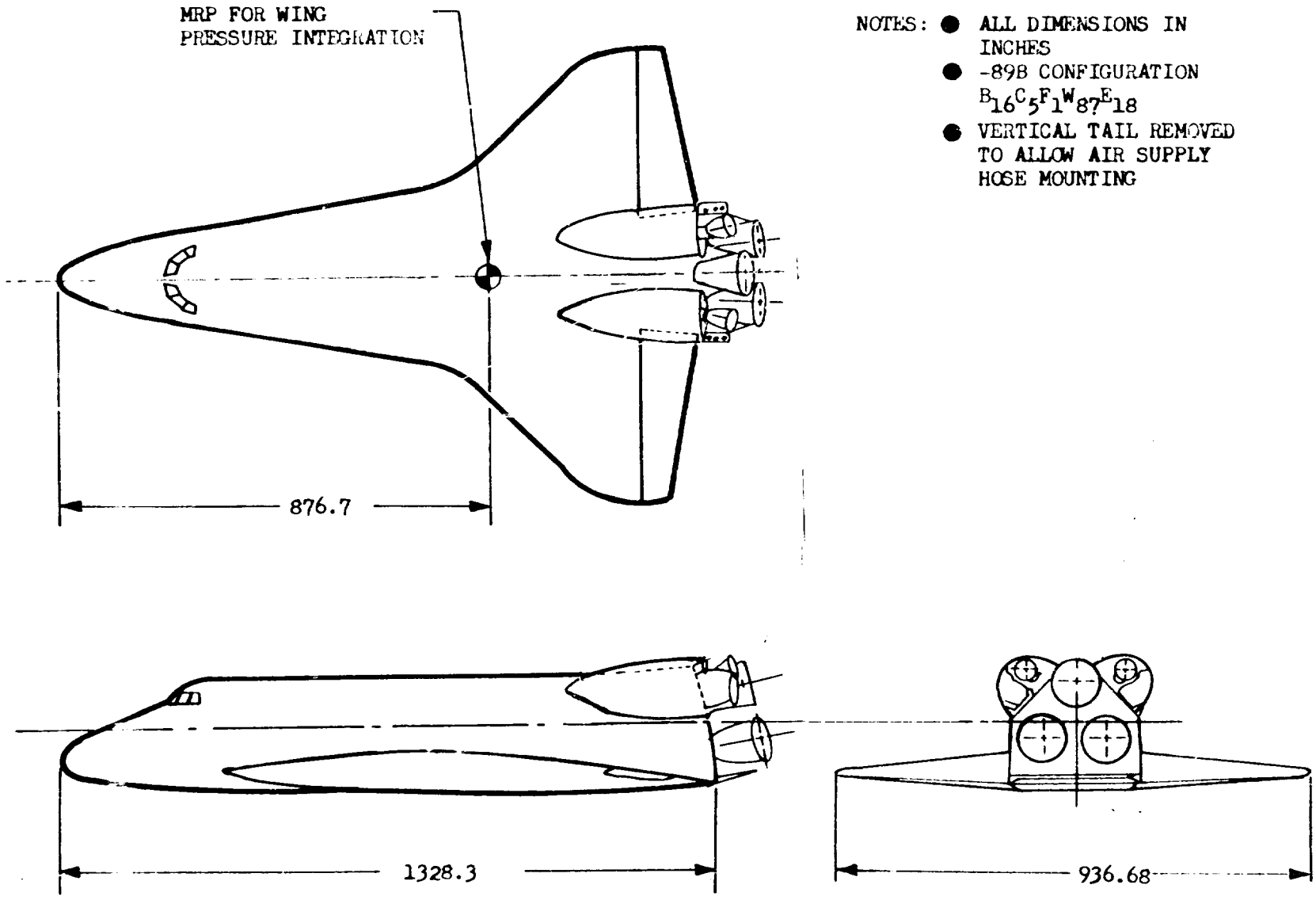


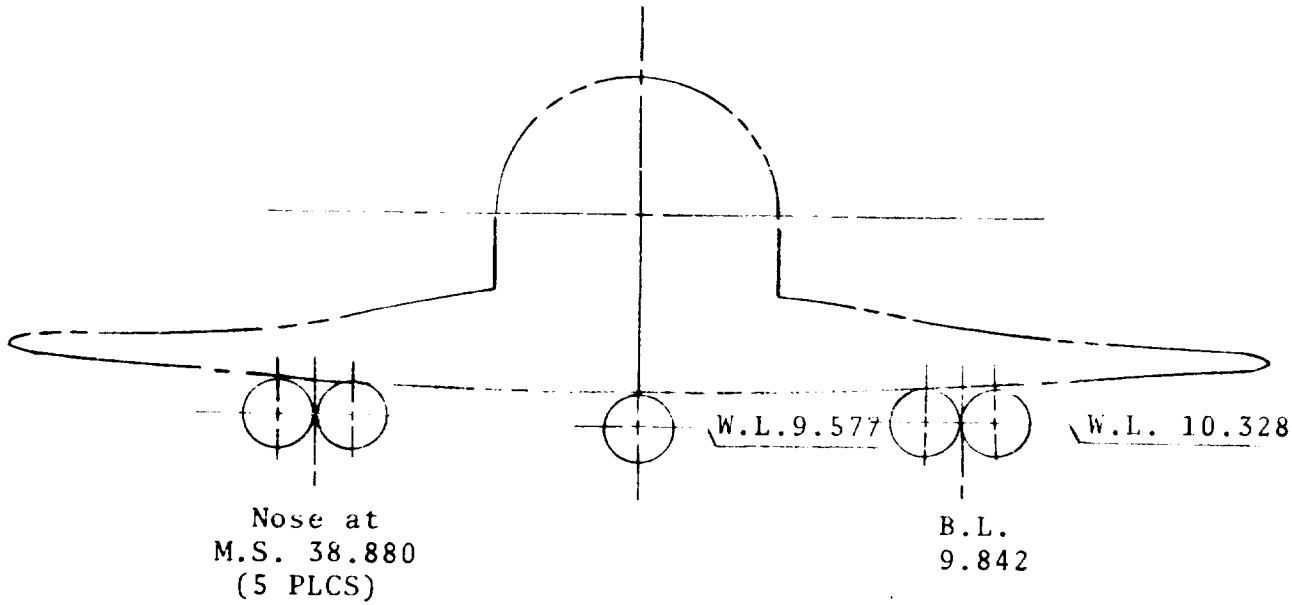
Figure 1 - Axis systems.



NOTES:
- ALL DIMENSIONS IN INCHES
- -89B CONFIGURATION $B_{16}C_5F_1W_{87}E_{18}$
- VERTICAL TAIL REMOVED TO ALLOW AIR SUPPLY HOSE MOUNTING

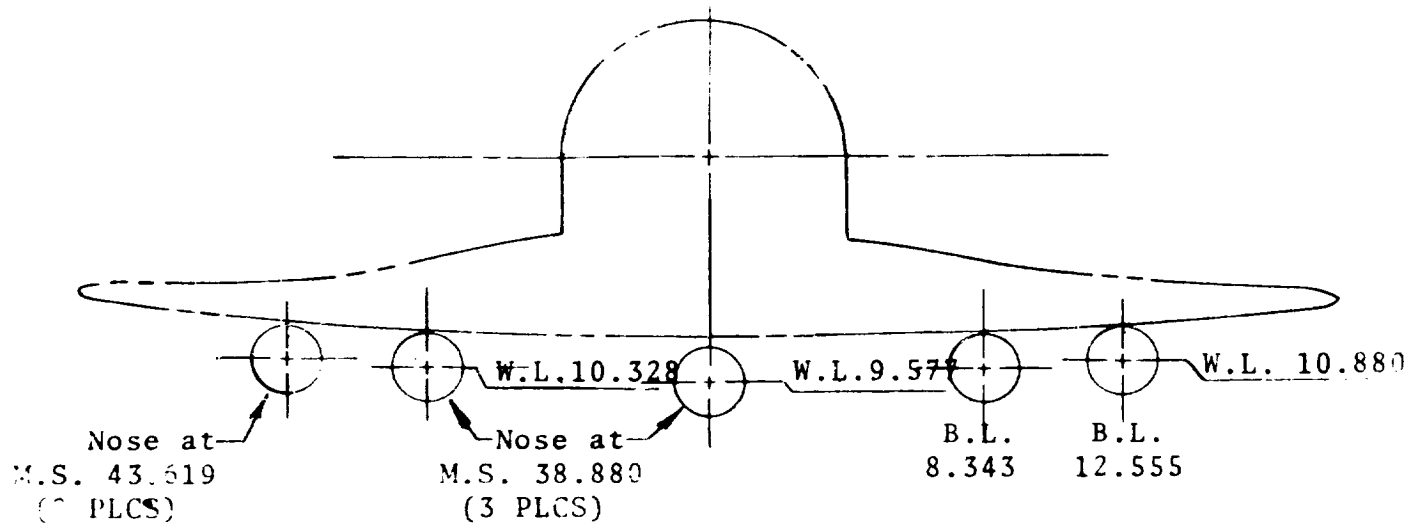
a. General Model Arrangement

Figure 2. - Model Sketches



b. J_{15} Nacelle Configuration

Figure 2. - Continued.



c. J_{24} Nacelle Configuration

Figure 2. - Concluded.







Figure c. [illegible]

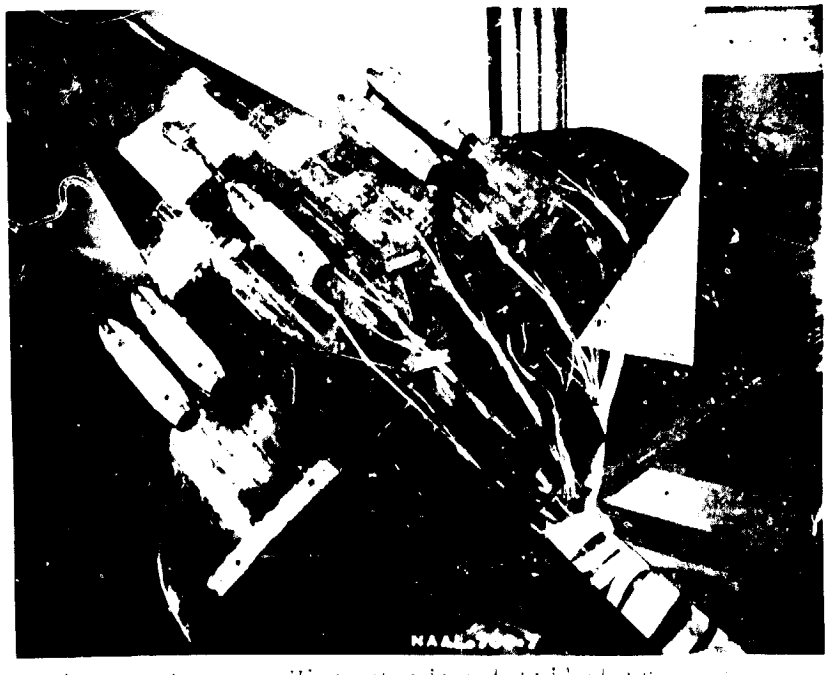


Figure d. [illegible]

Figure 3. - Continued.



Figure [illegible] Three-quarter rear view of [illegible]
B16C5E1J15B87L18X9

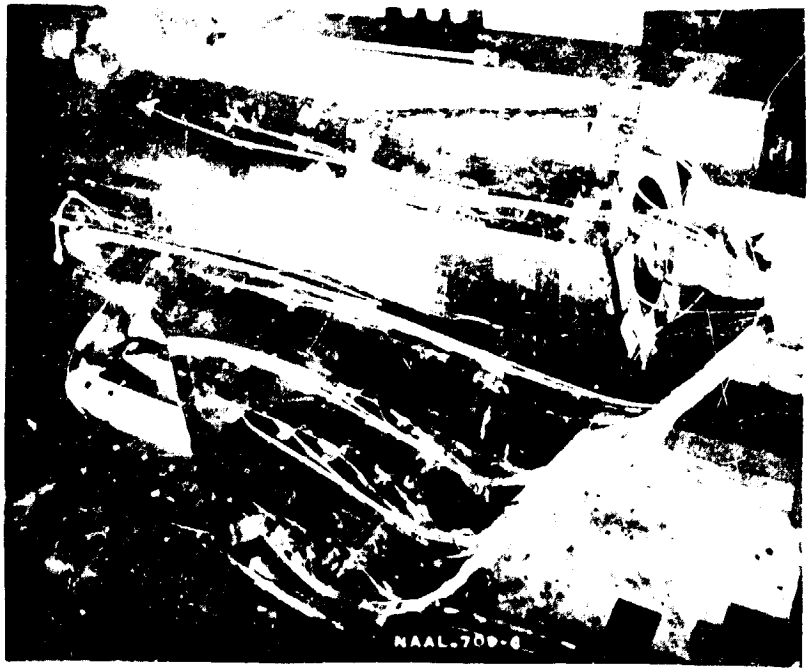


Figure [illegible] View showing detailed upper wing pressure [illegible]
B16C5E1J15B87L18X9

[illegible]

DATA FIGURES

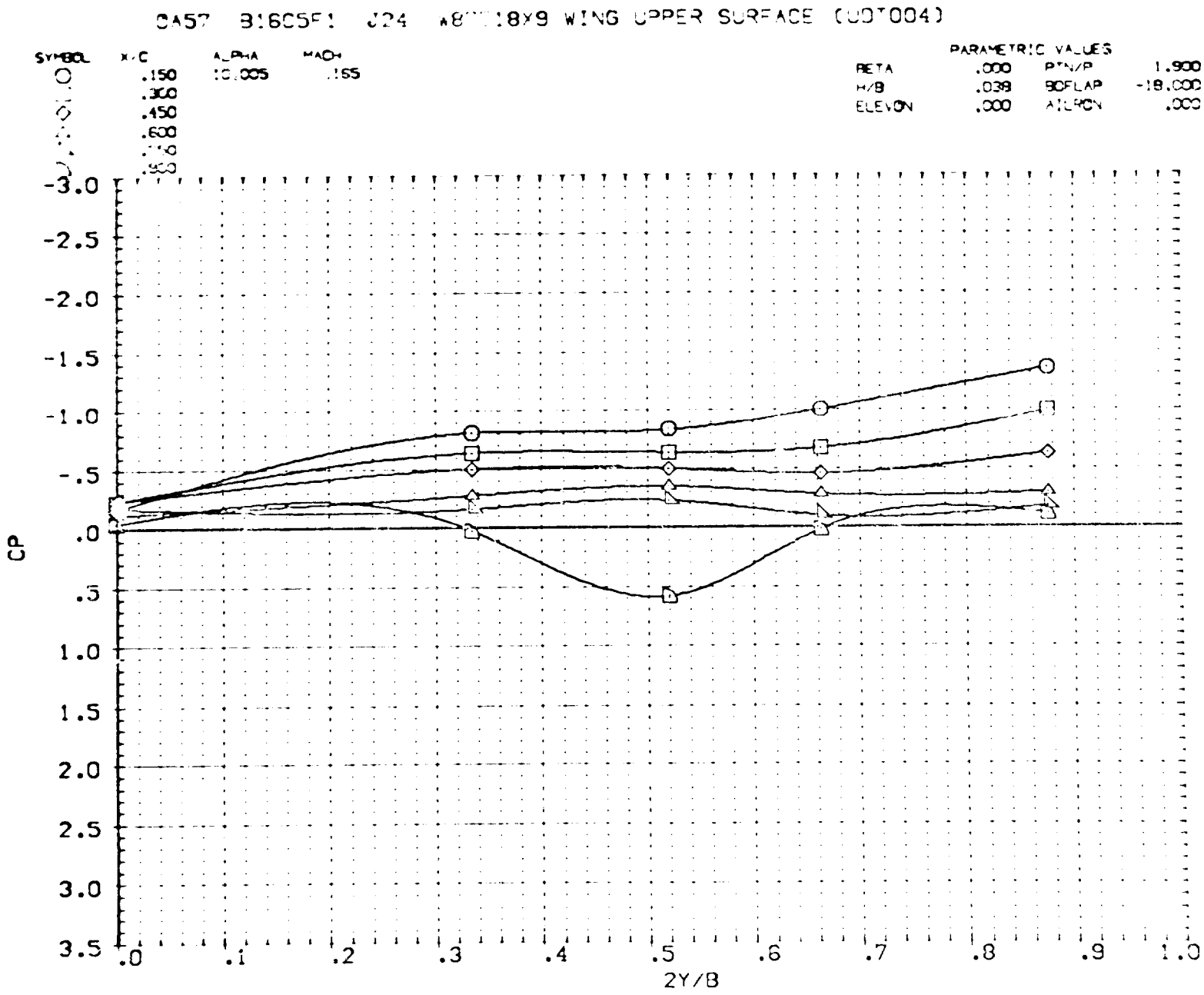


FIG 4 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.038, ELEVON= 0

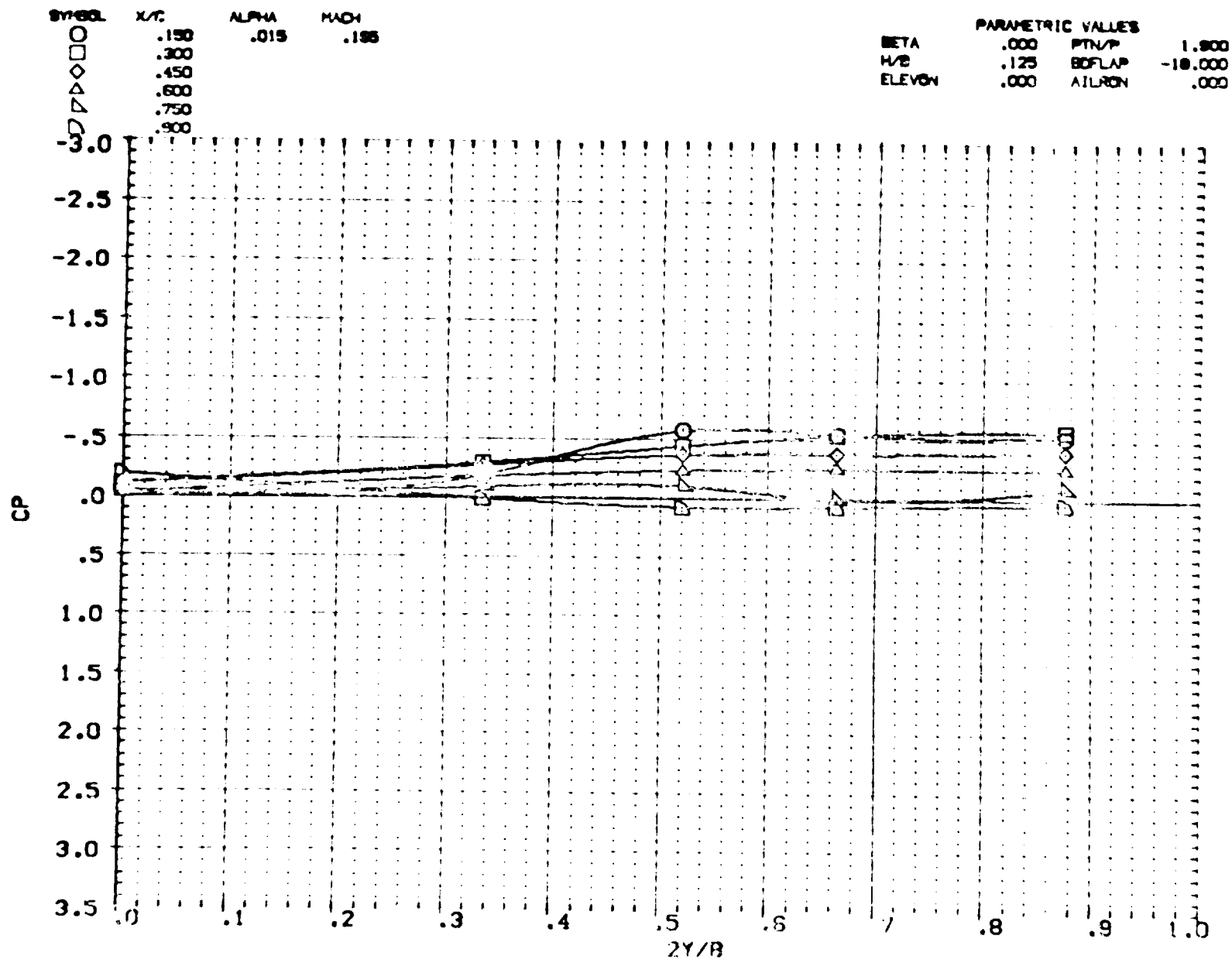


FIG 5 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 0

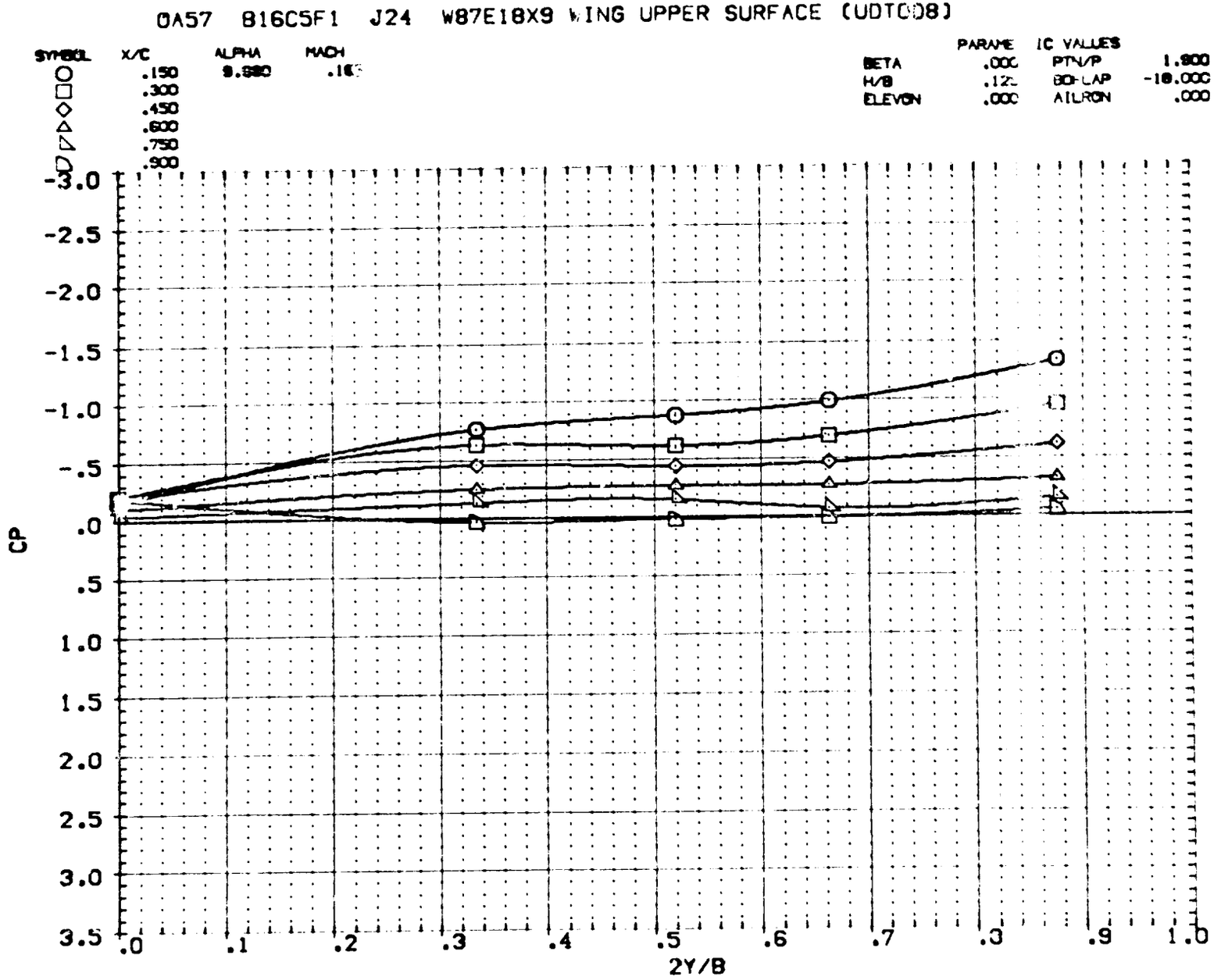


FIG 5 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 0

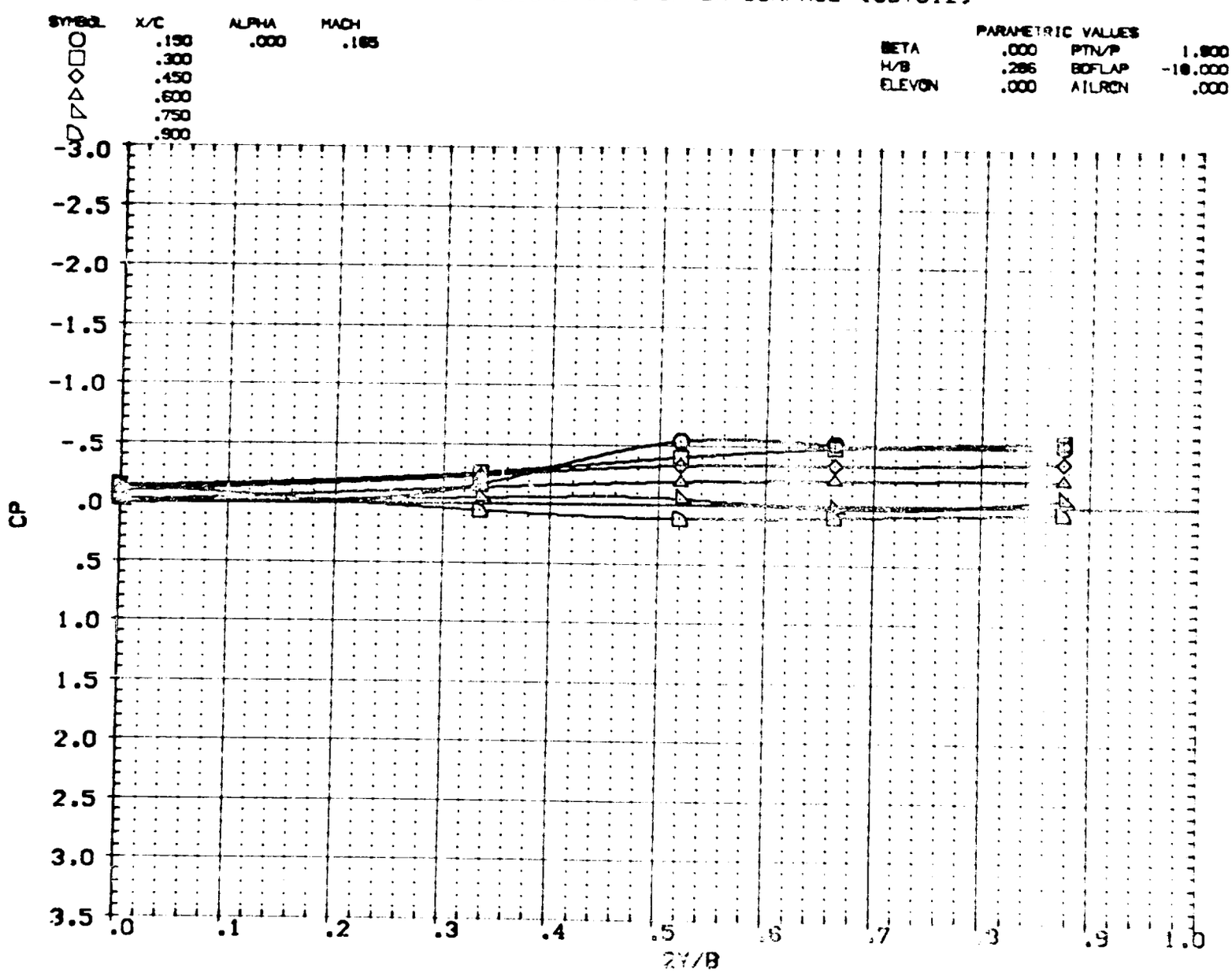


FIG 6 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.286 ELEVON= 0

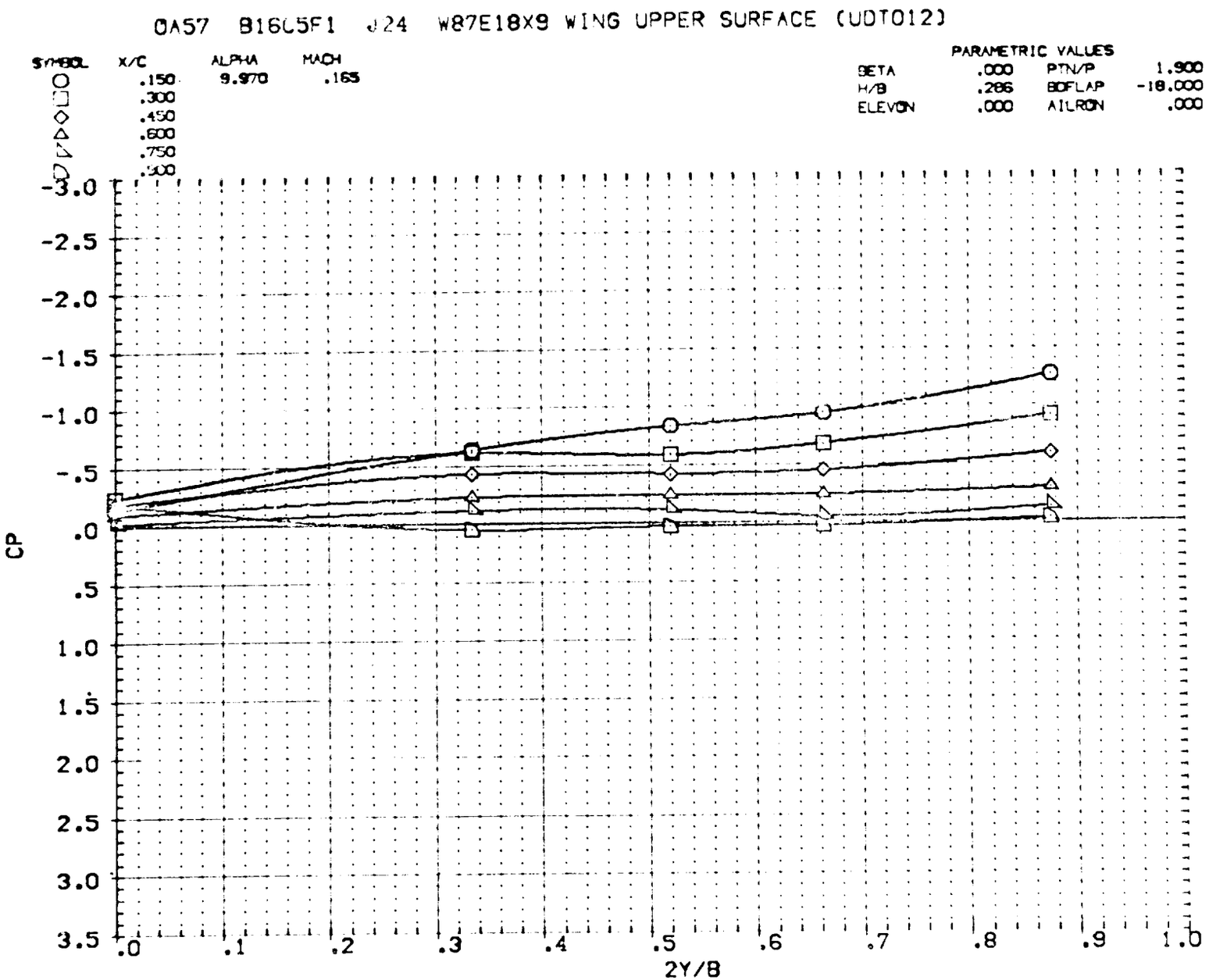


FIG 6 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.286, ELEVON= 0

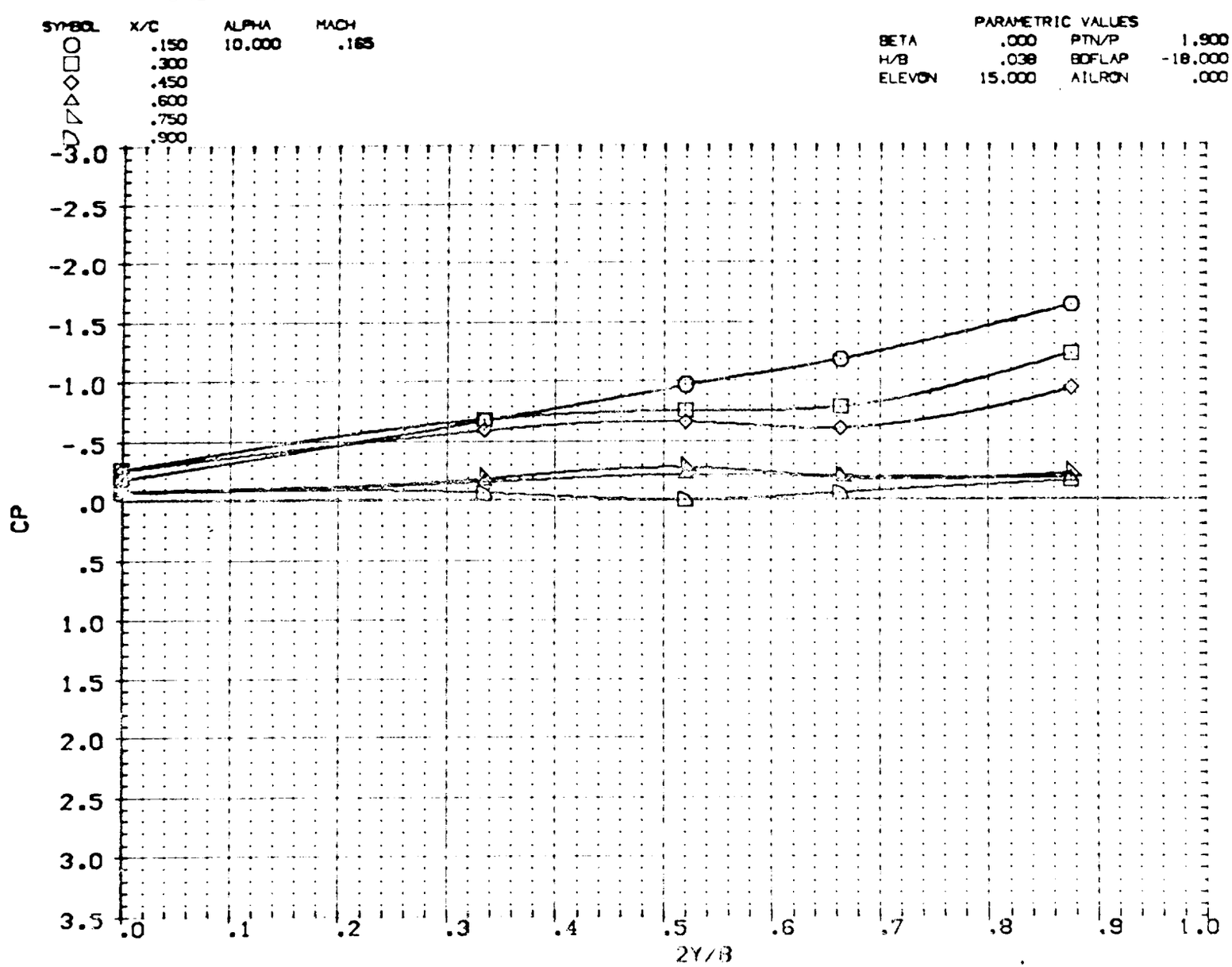


FIG 7 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.038, ELEVON- 15

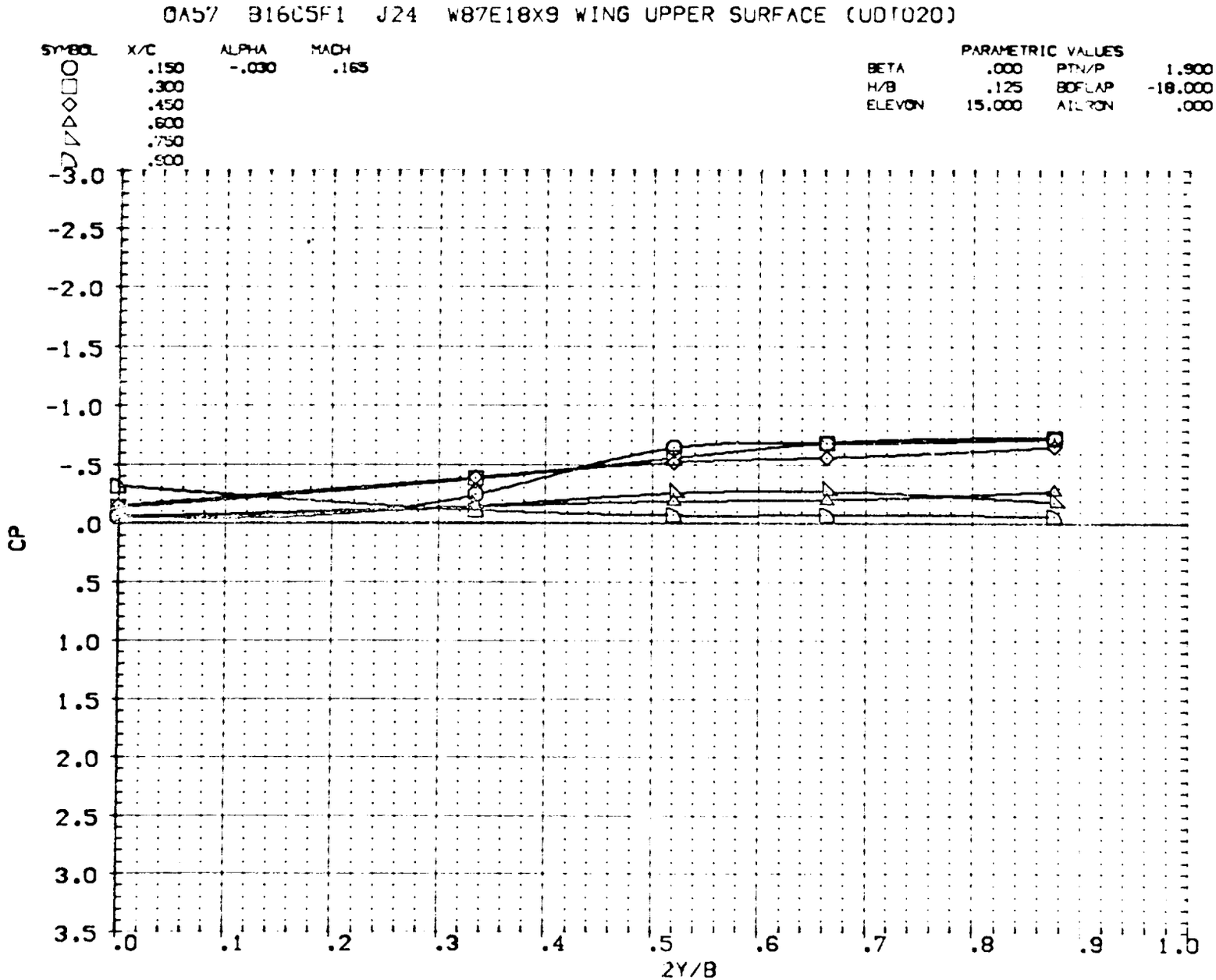


FIG 8 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 15

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (UDT020)

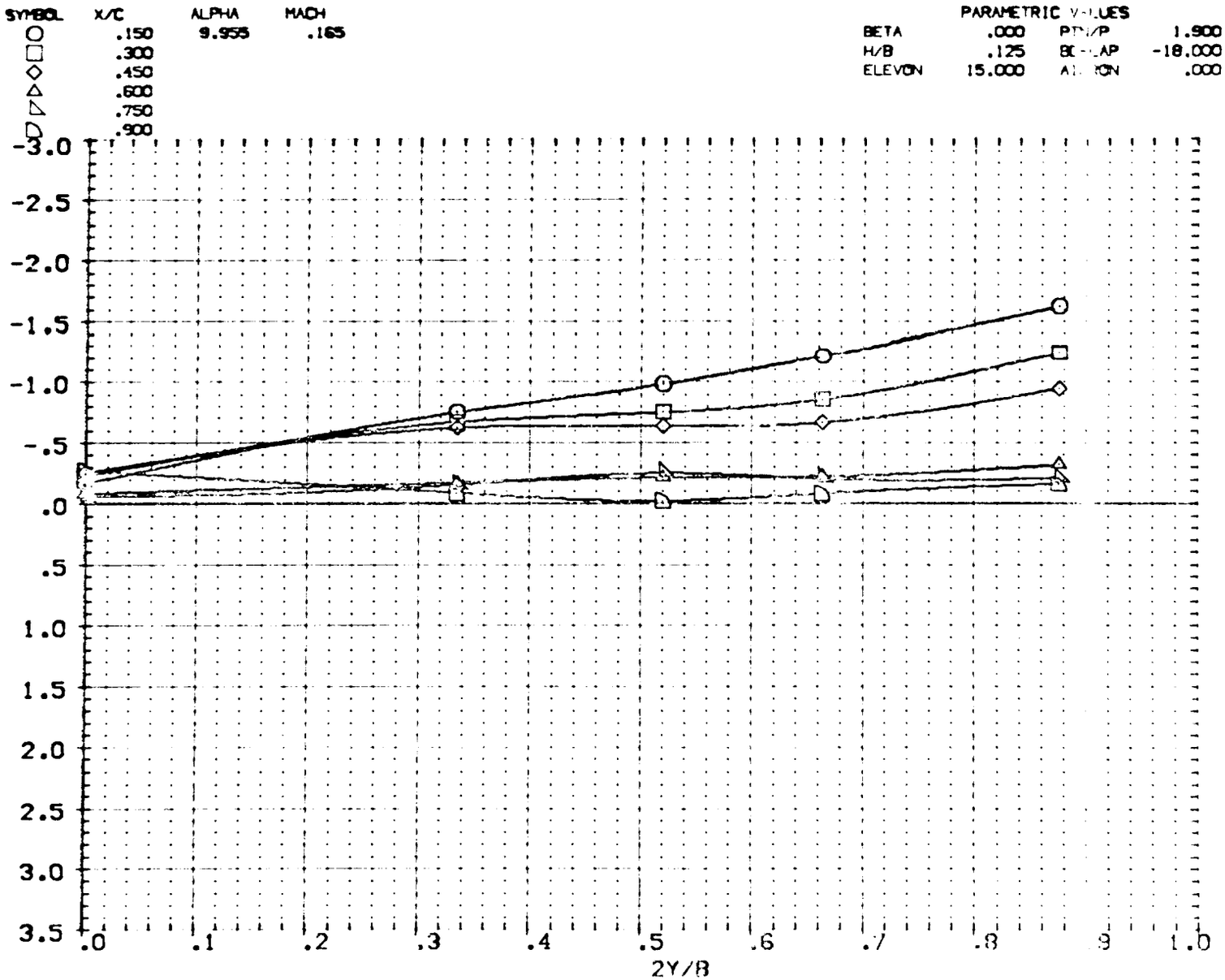


FIG 8 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 15

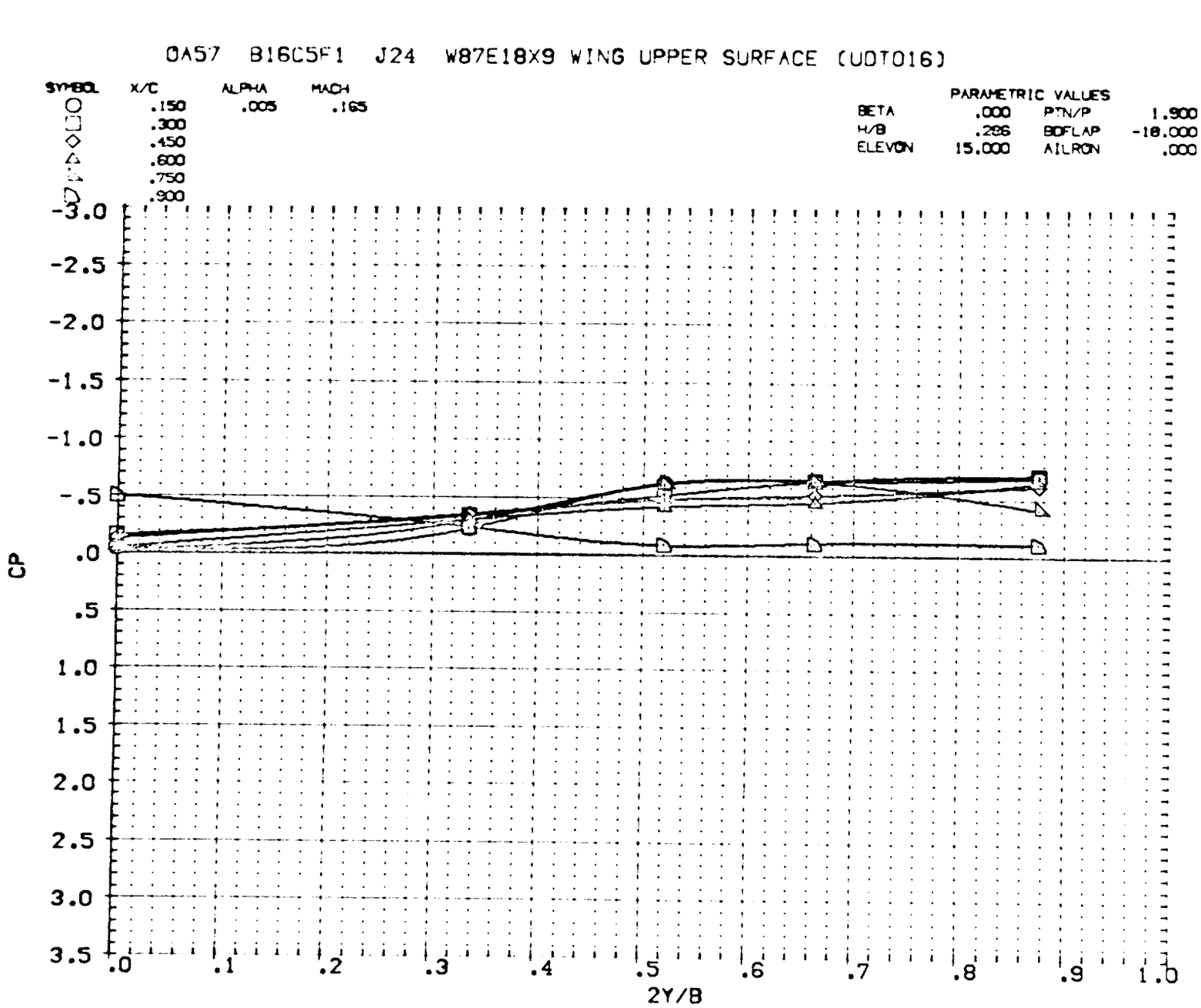


FIG 9 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.286, ELEVON= 15

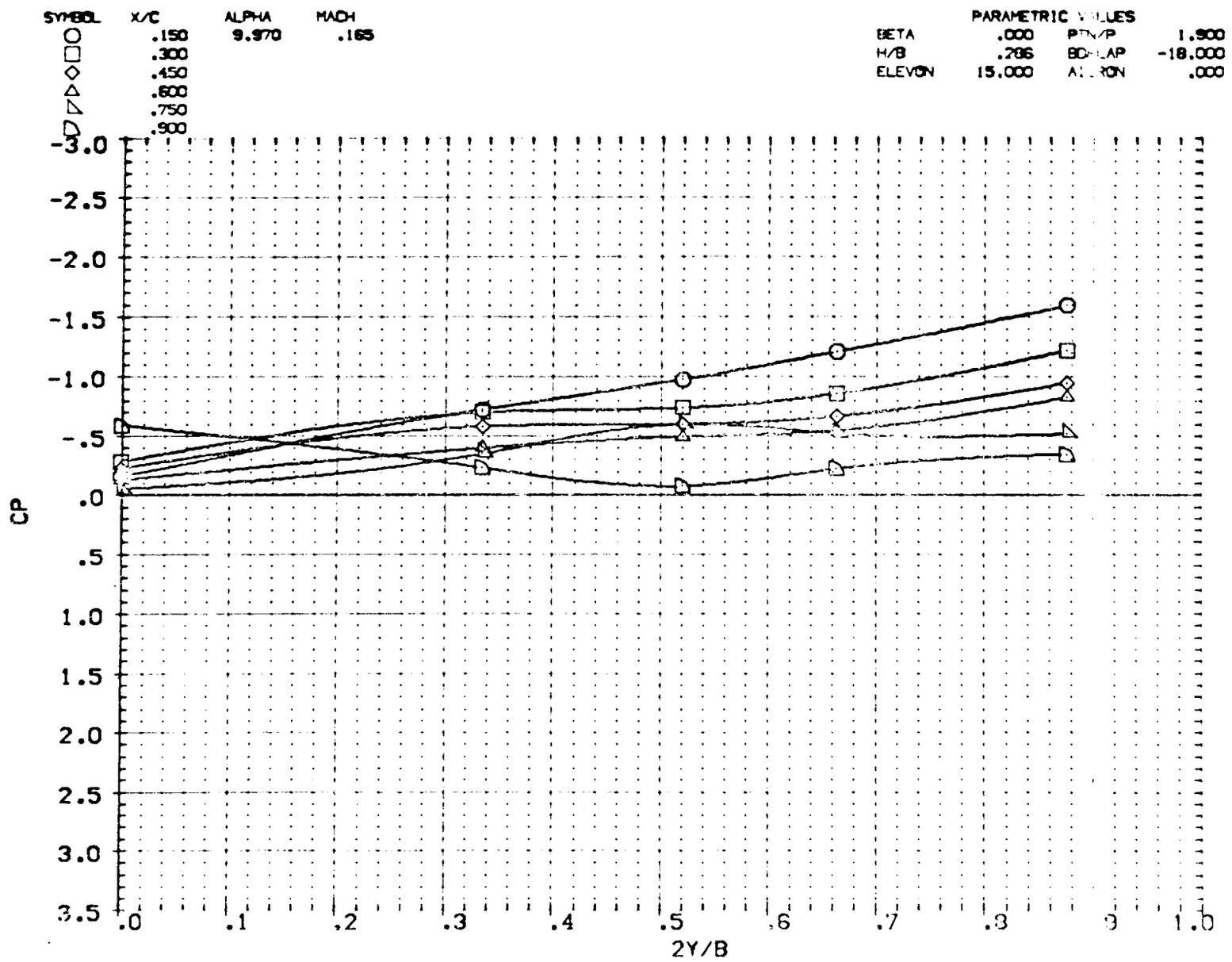


FIG 9 WING UPPER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.286, EL VON= 15

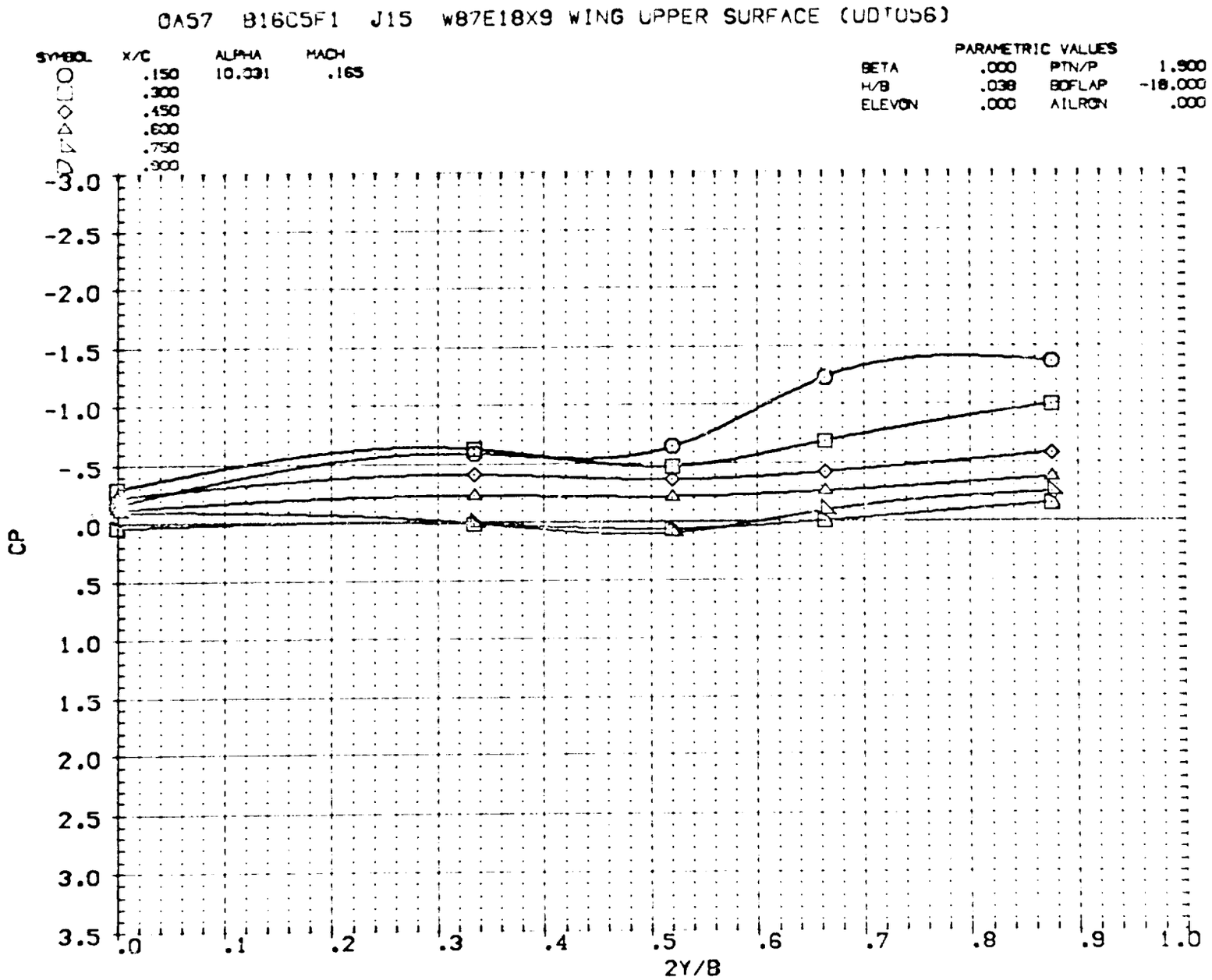


FIG 10 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.038, ELEVON= 0

CA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (UDT060)

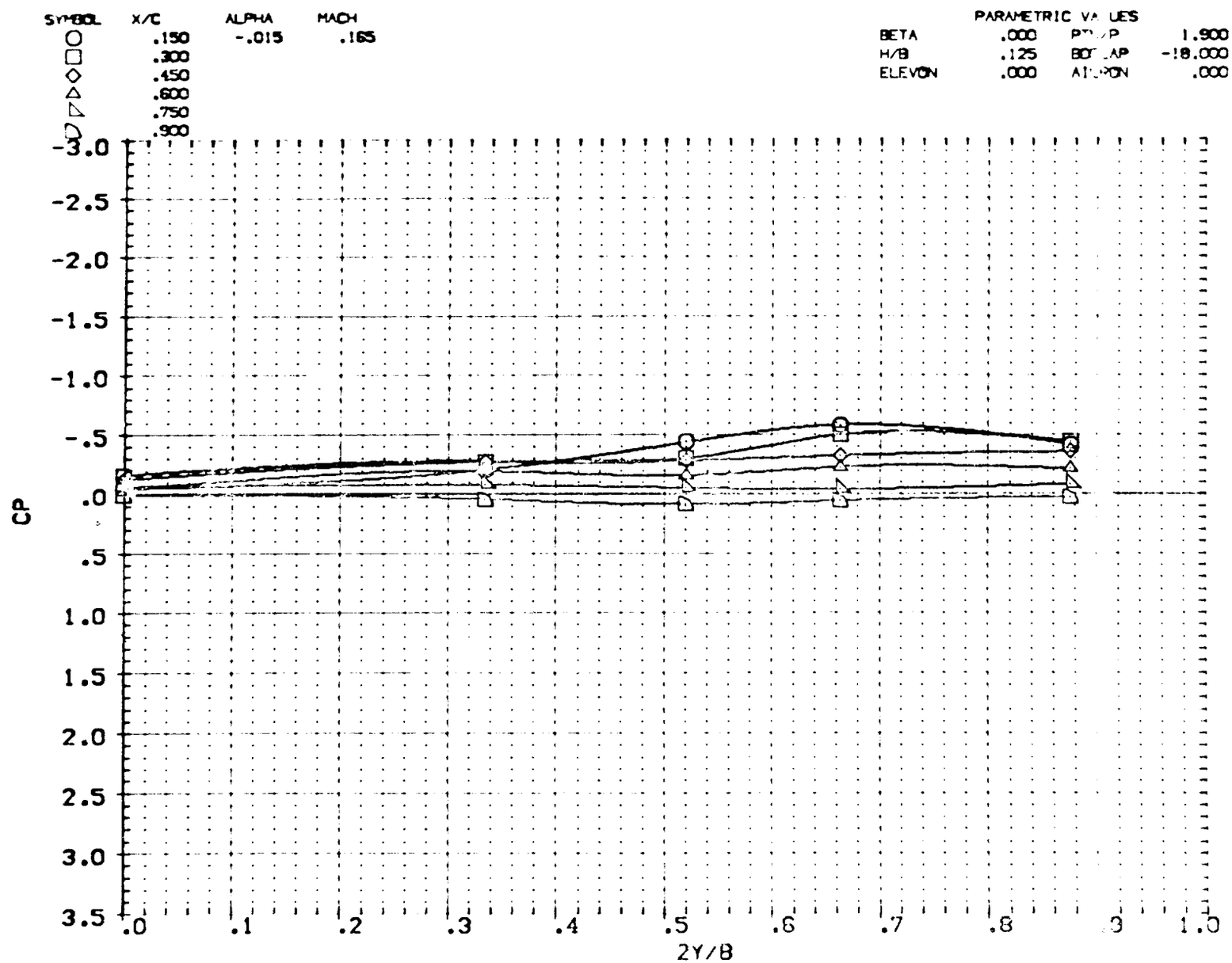


FIG 11 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, ELEVON= 0

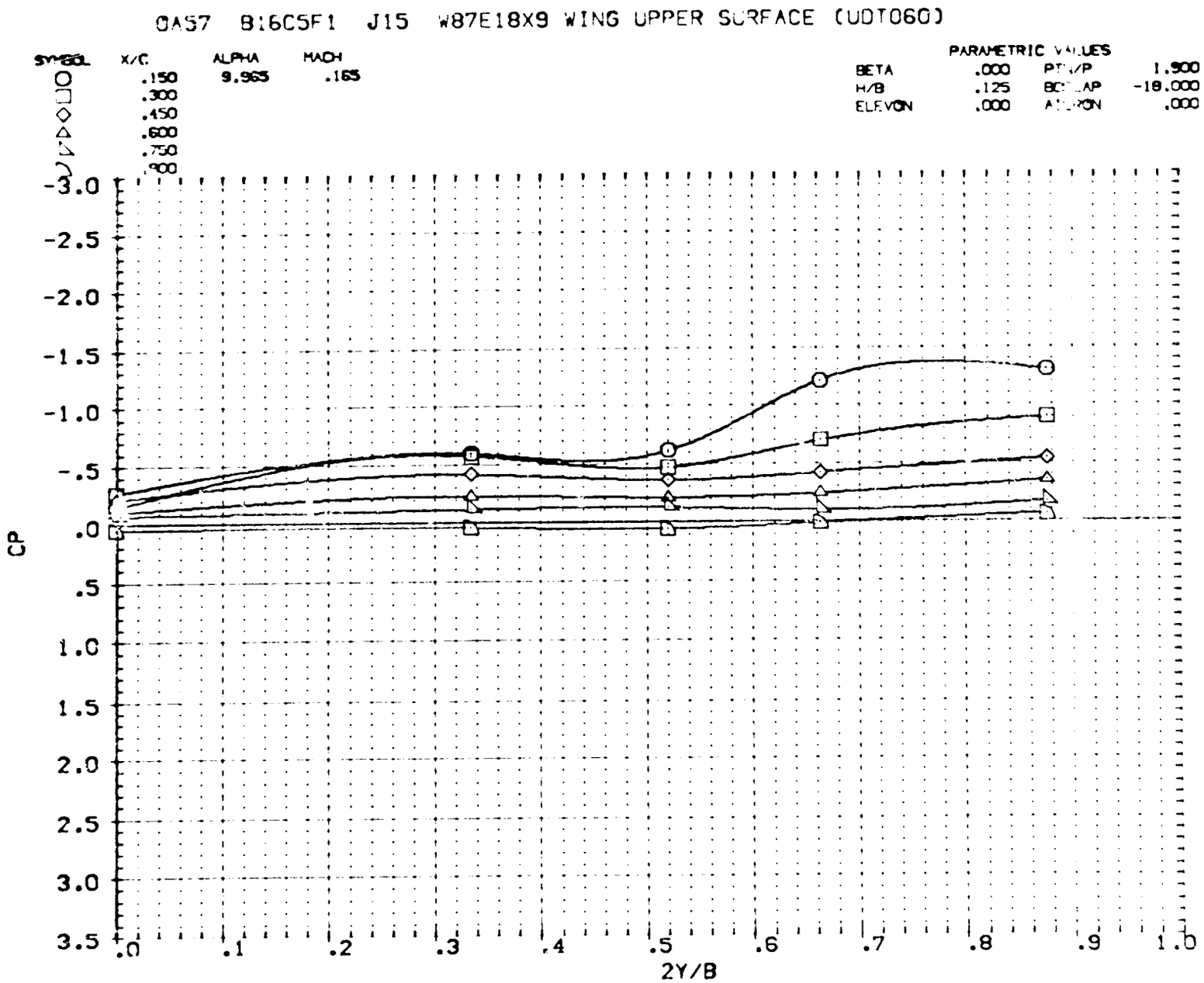


FIG 11 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, ELEVON= 0

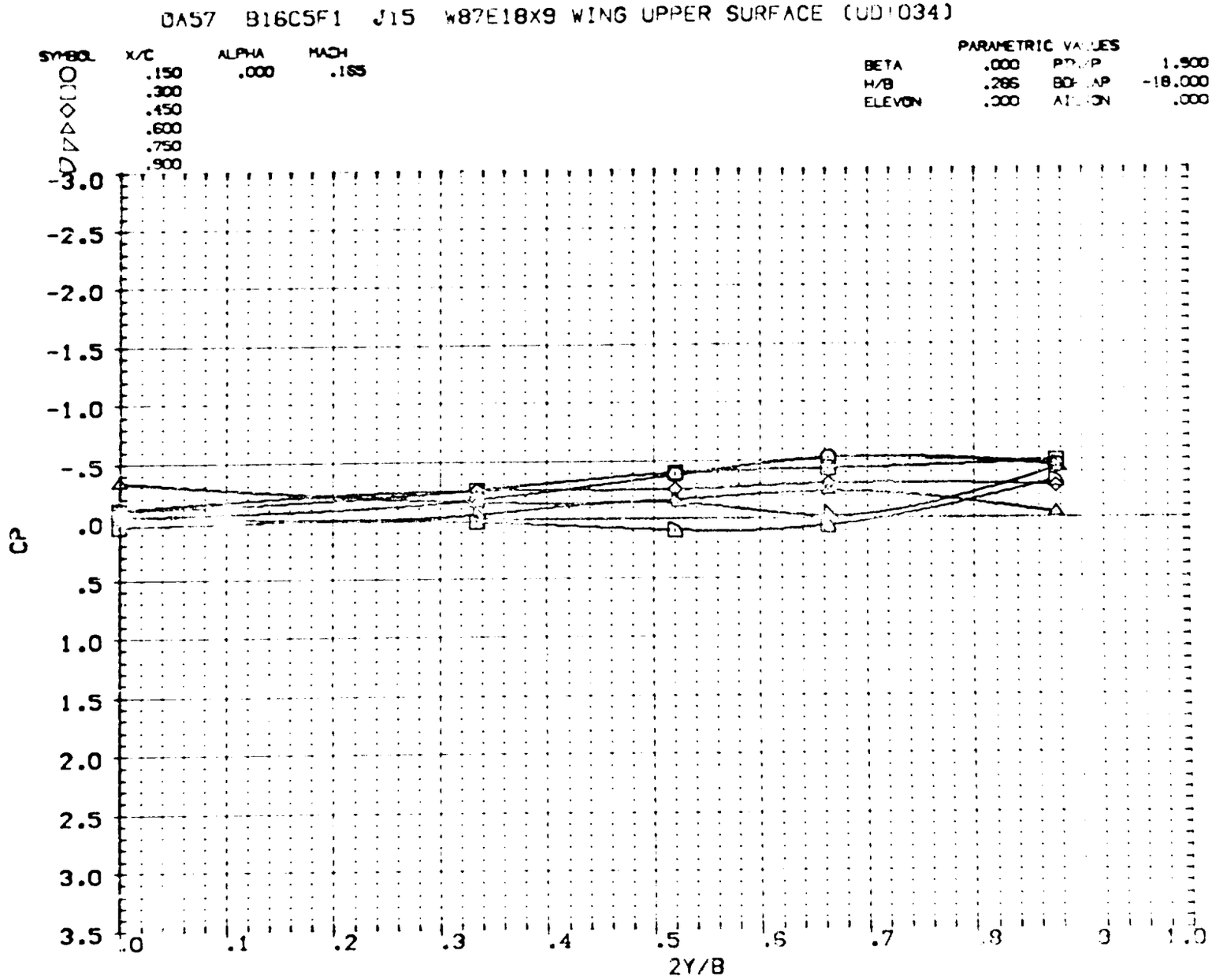


FIG 12 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.286, EL VON= 0

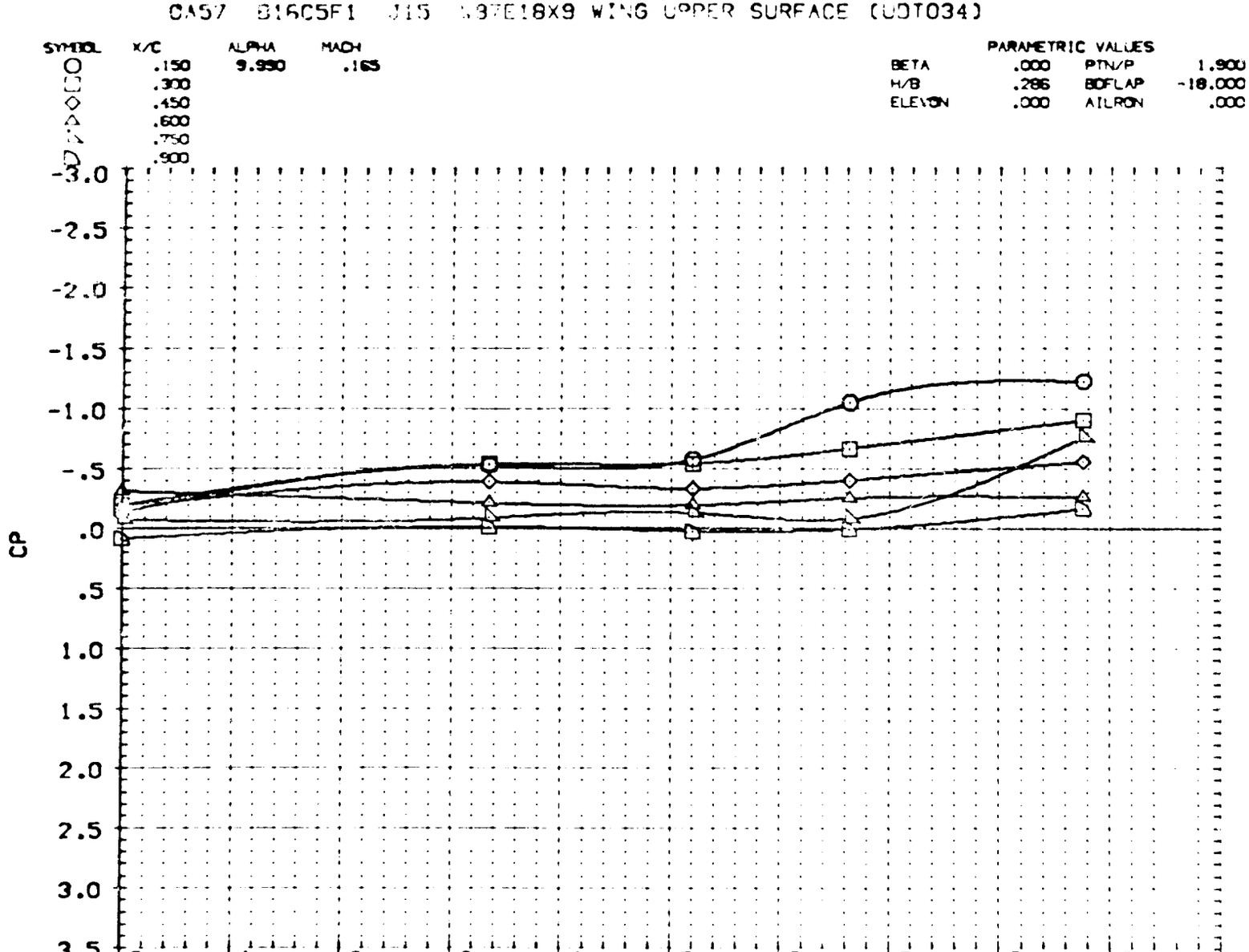


FIG 12 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.286, ELEVON= 0

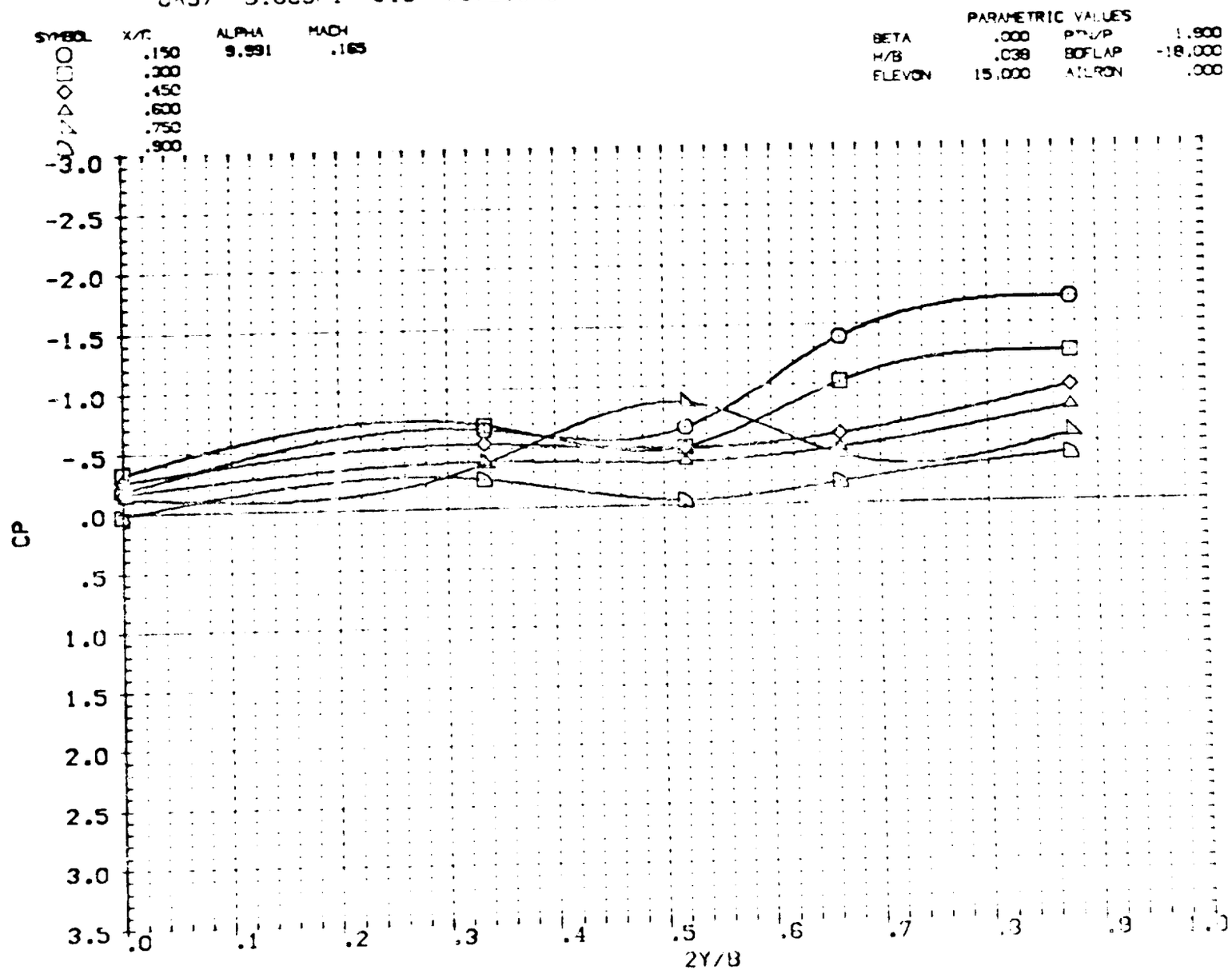


FIG 13 WING UPPER SURFACE PRESSURE SPANWISE DIST R J15 H/B=.038, ELEVON 15

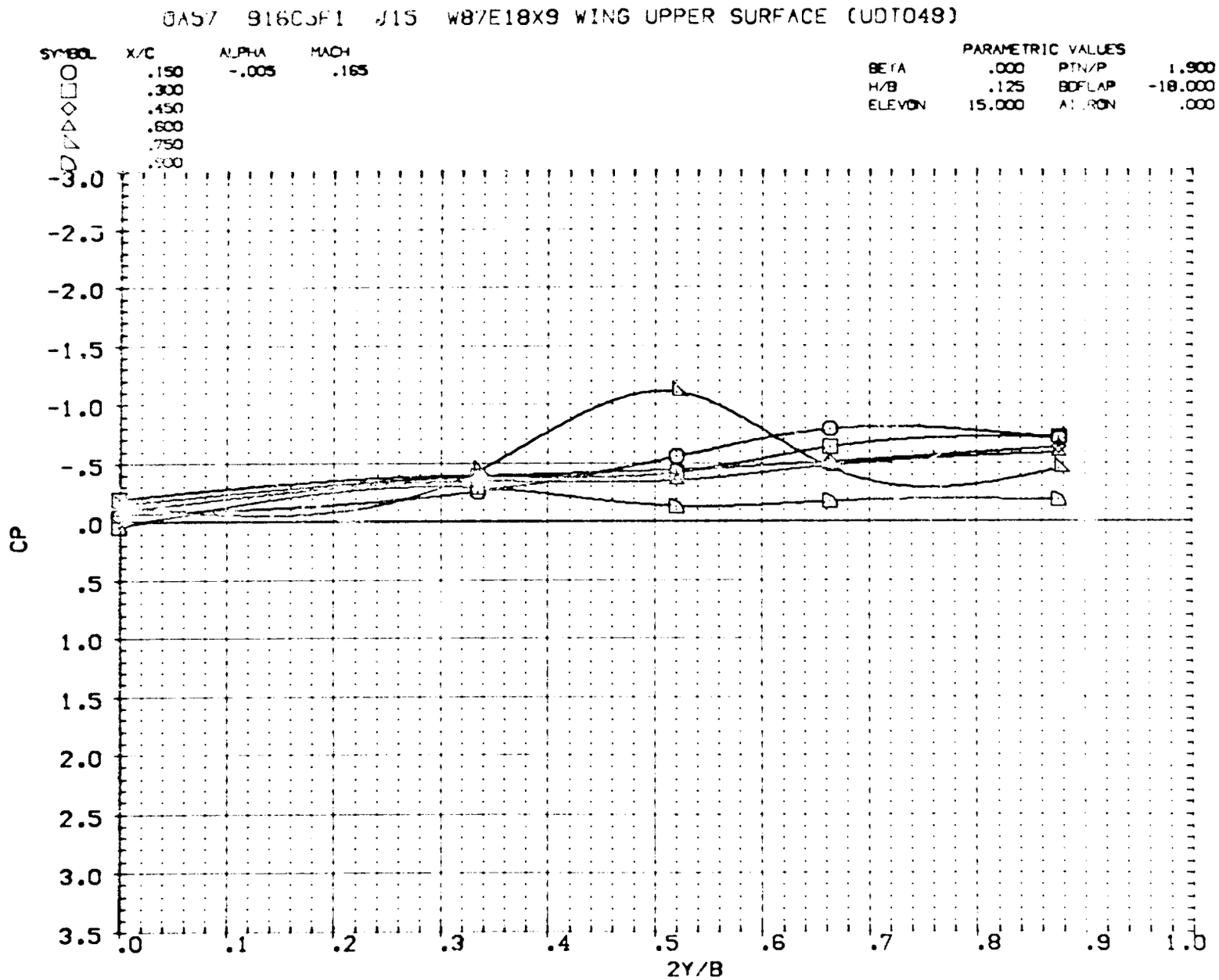


FIG 14 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, ELEVON= 15

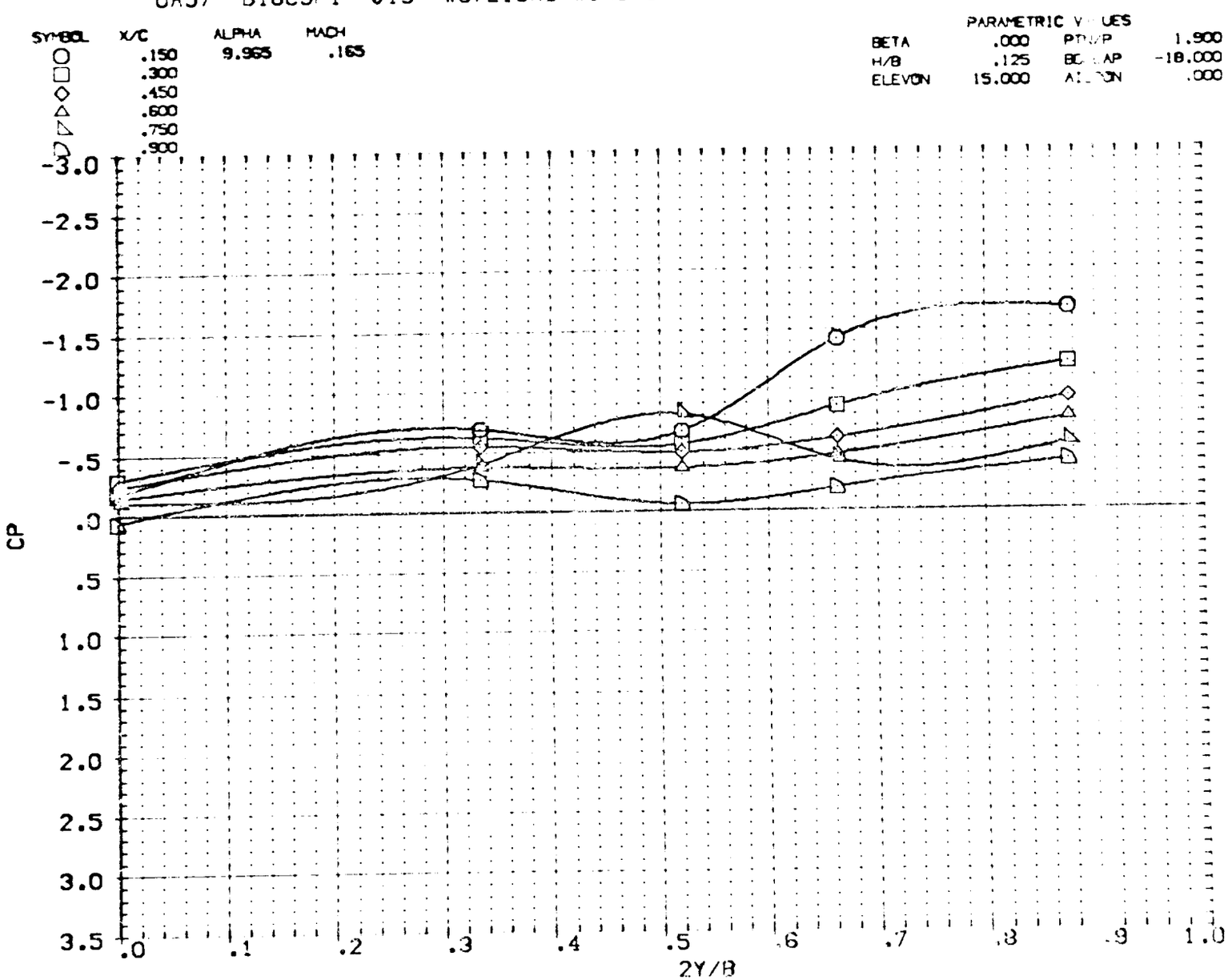


FIG 14 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, ELEVON= 15

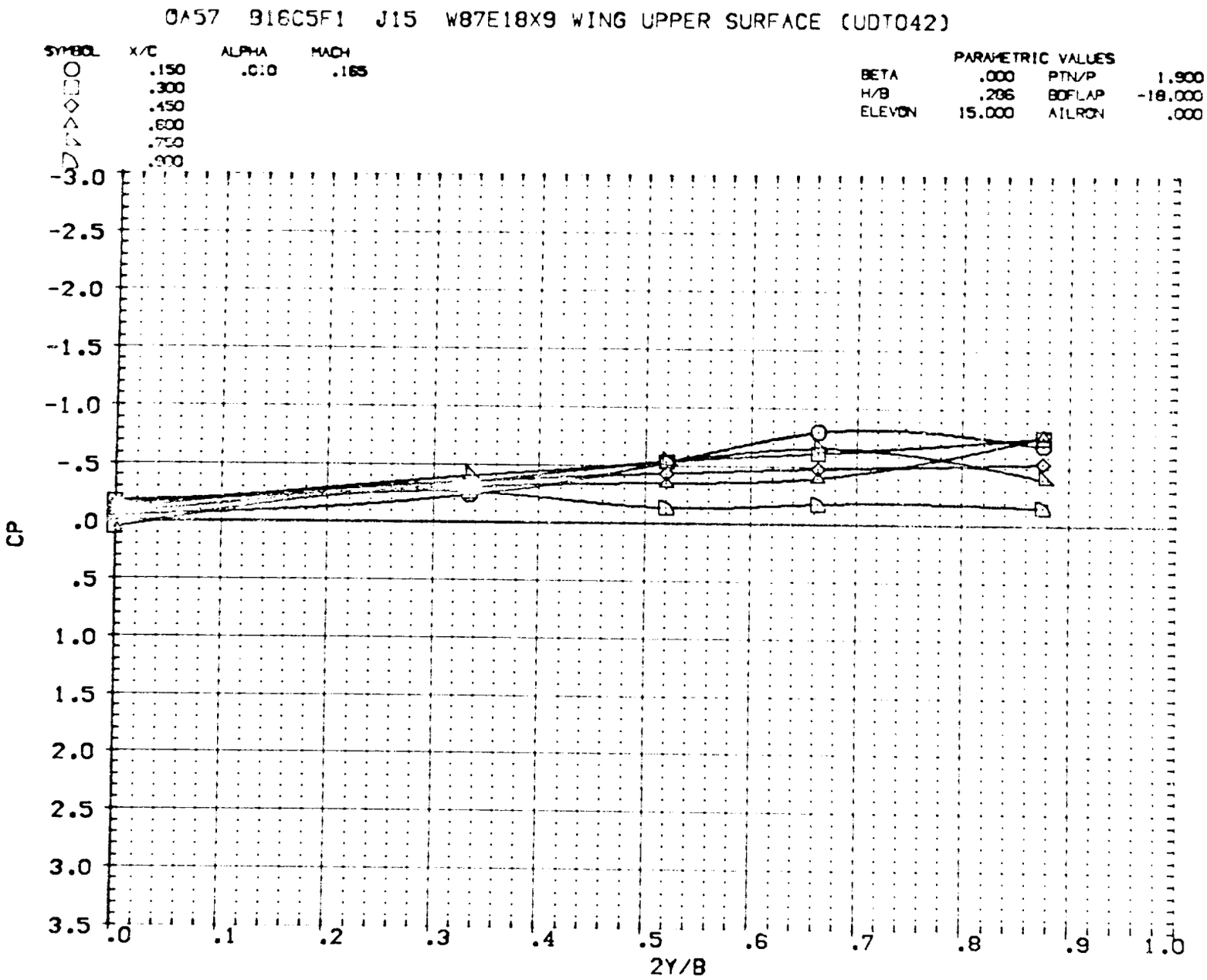


FIG 15 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.286, ELEVON= 15

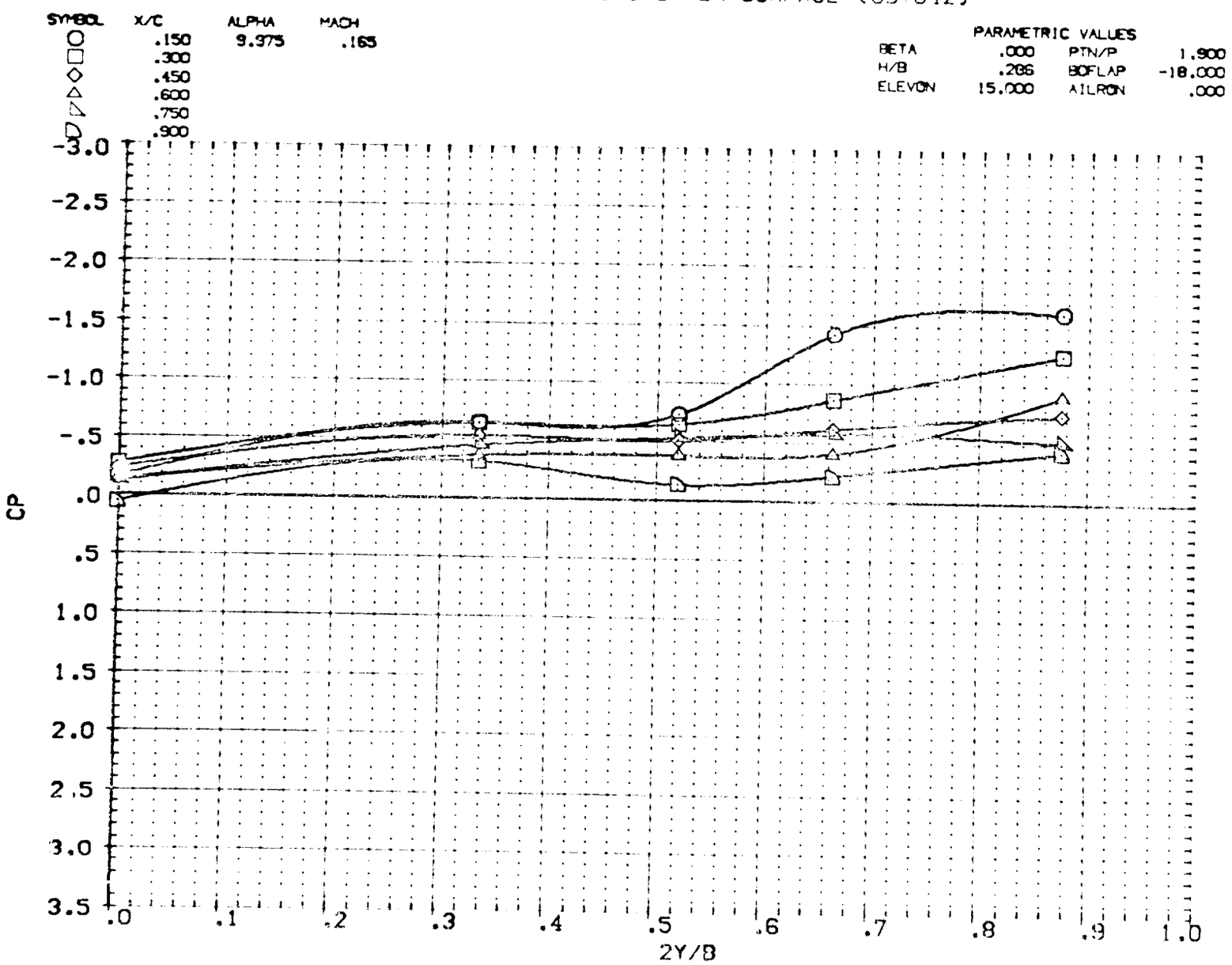


FIG 15 WING UPPER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.286, ELEVON= 15

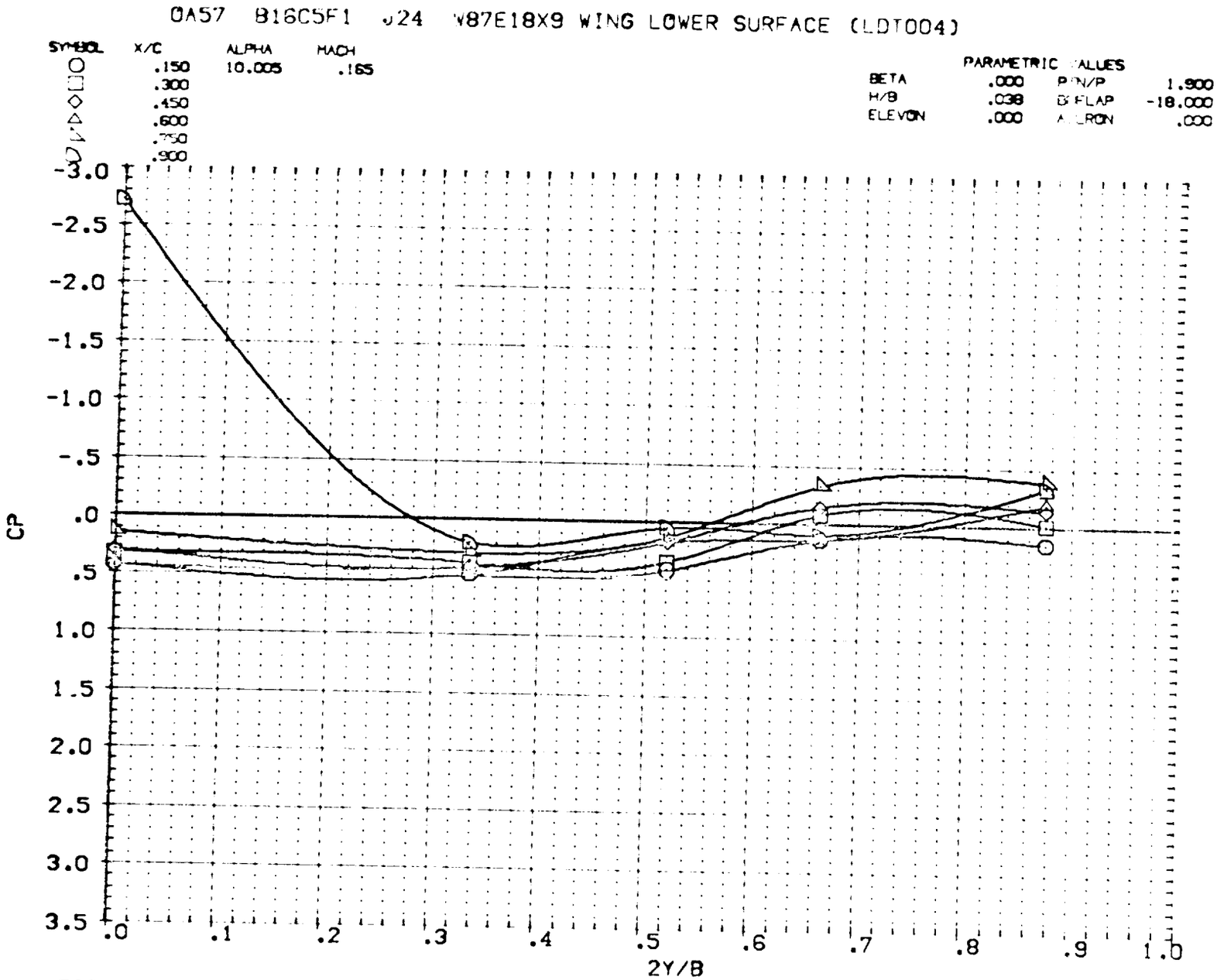


FIG 16 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.038, ELEVON= 0

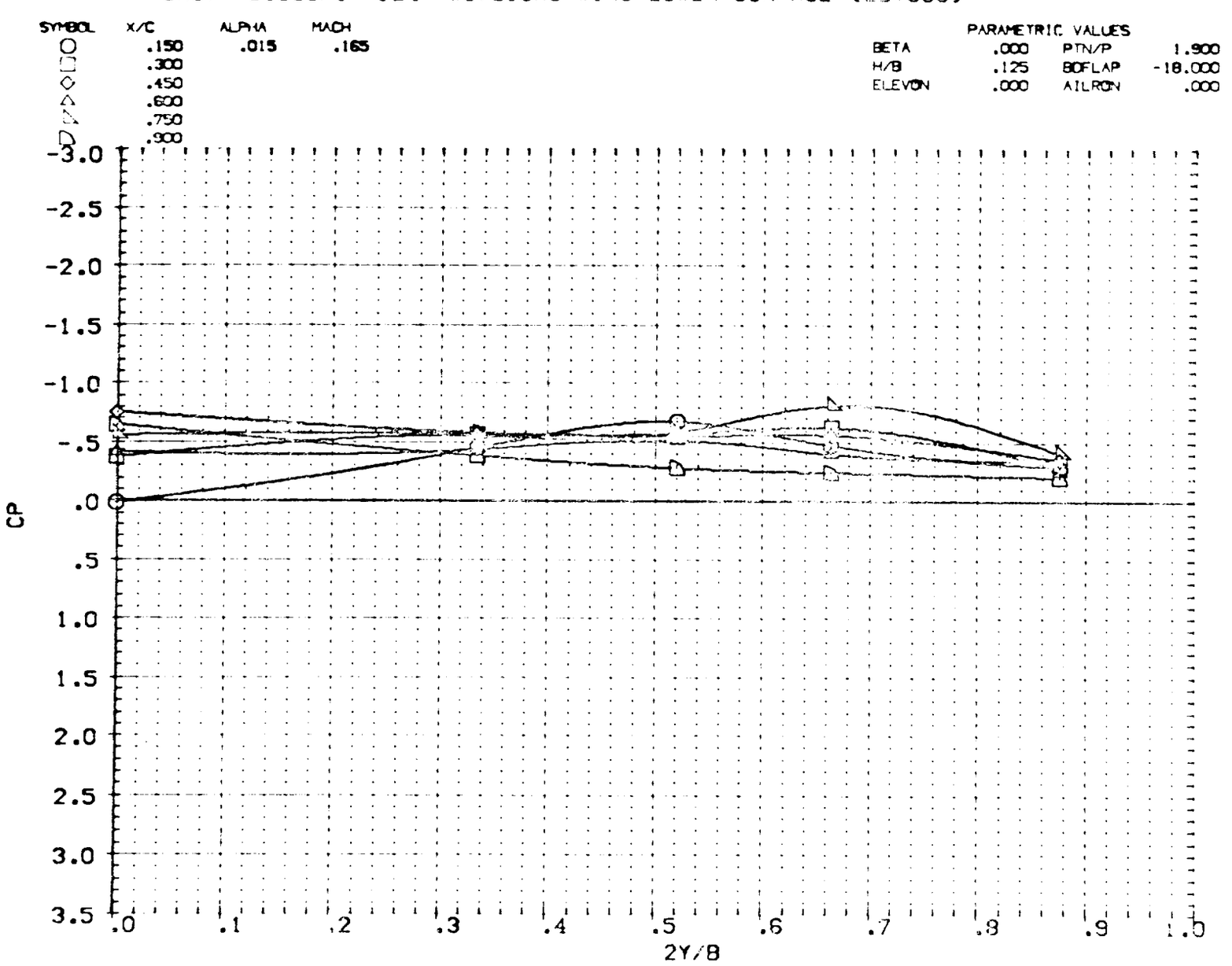


FIG 17 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 0

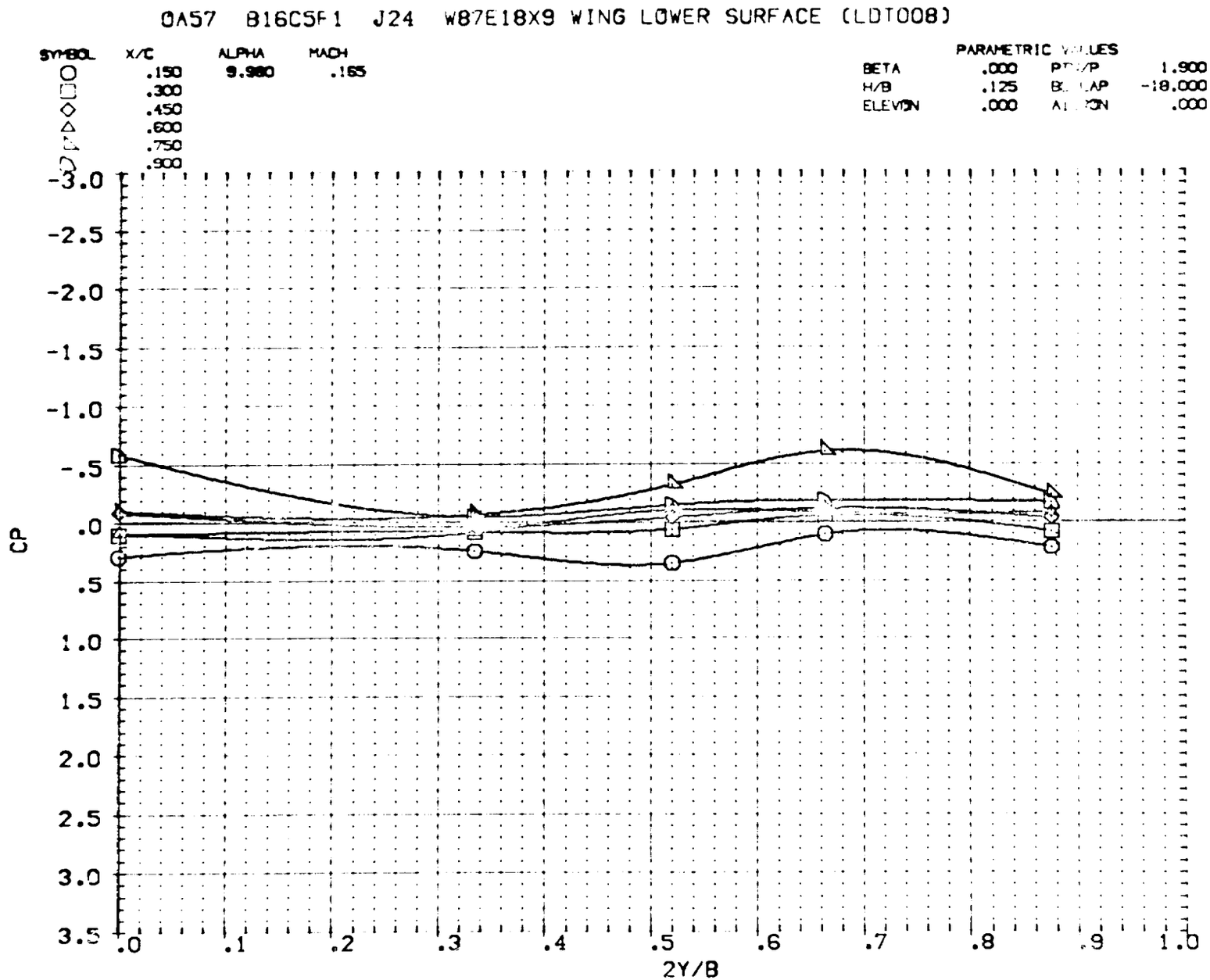


FIG 17 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 0

0A57 B16C5F1 J24 w87E18X9 WING LOWER SURFACE (LD1G12)

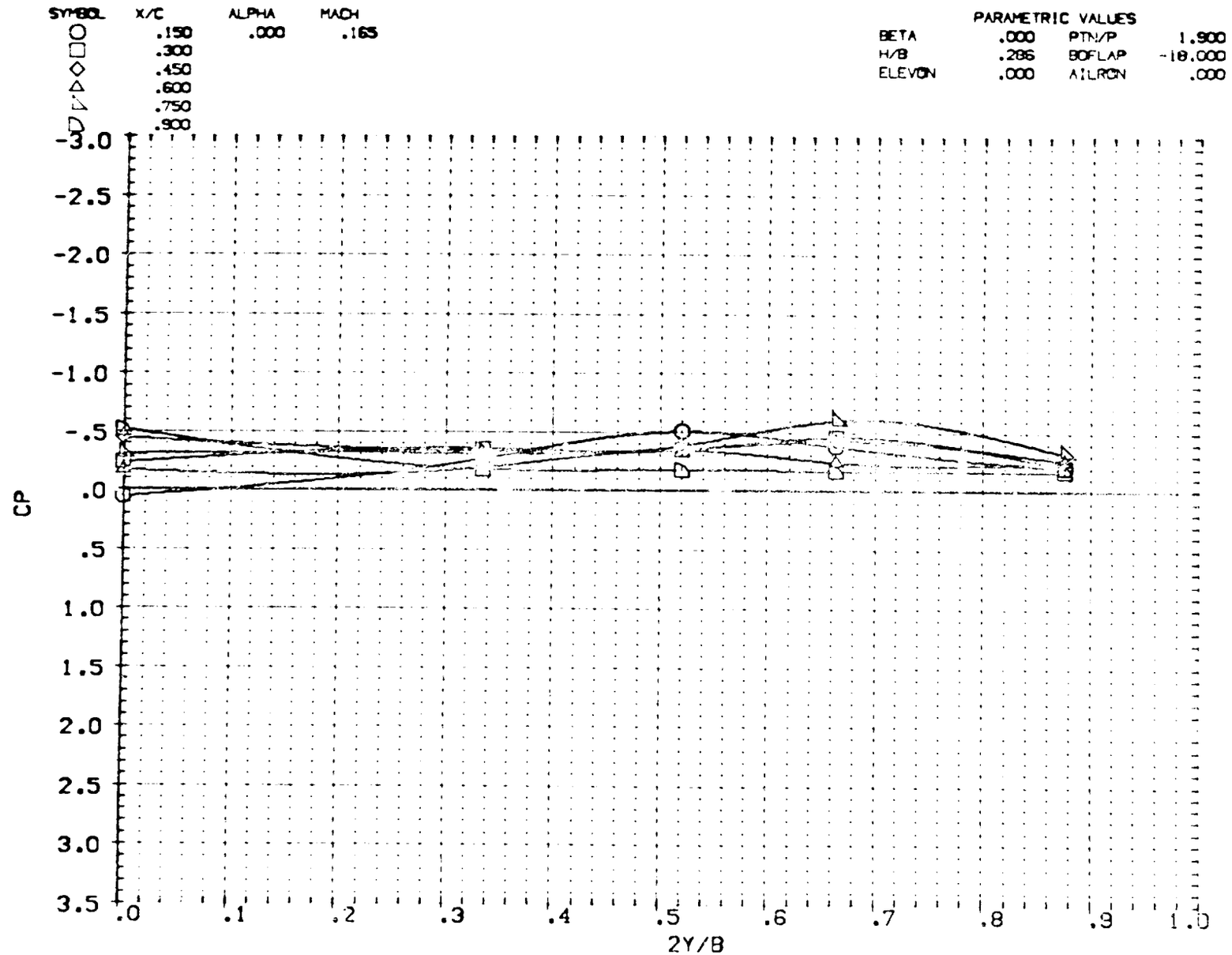


FIG 18 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.286, ELEVON= 0

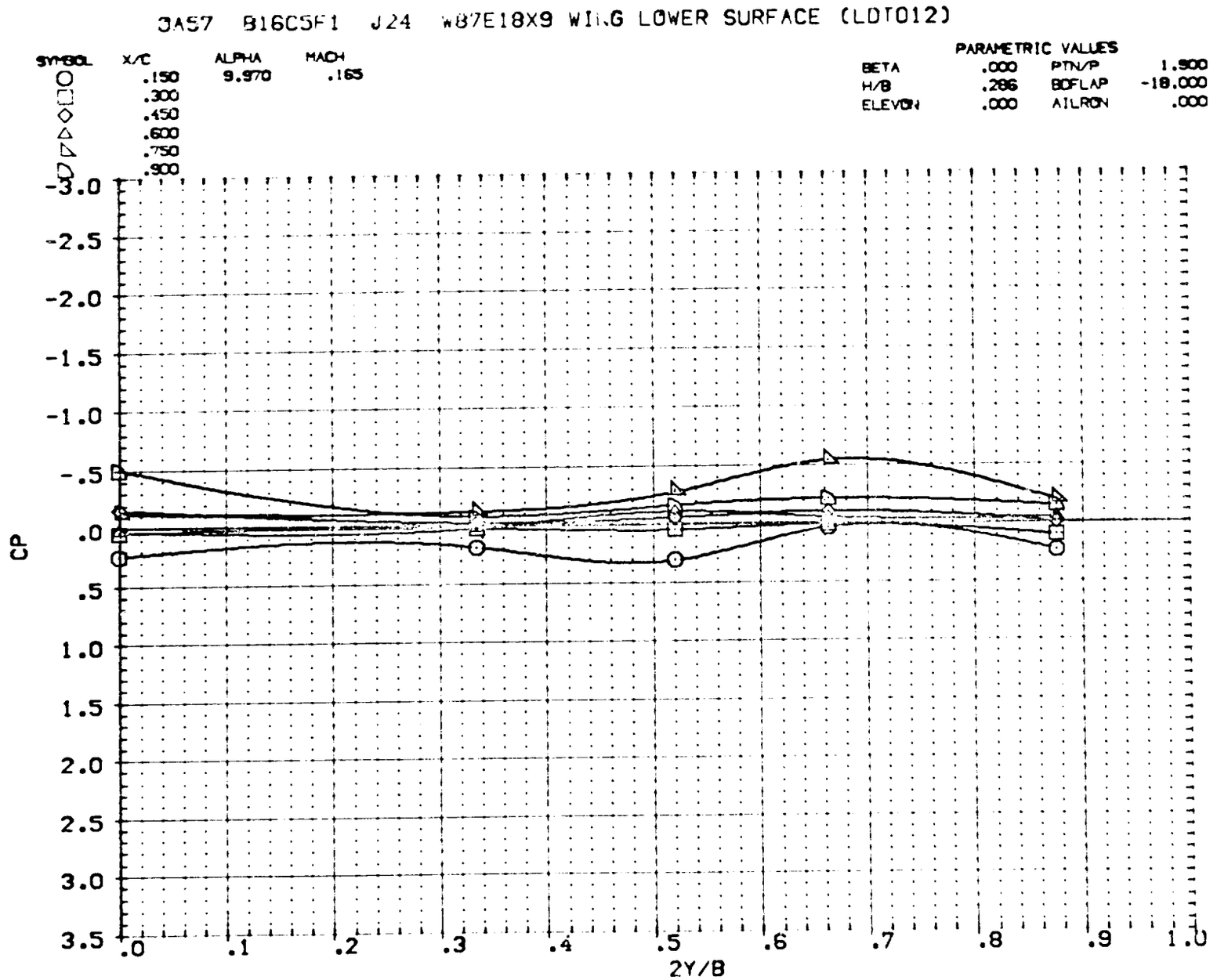


FIG 18 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.286, ELEVON= 0

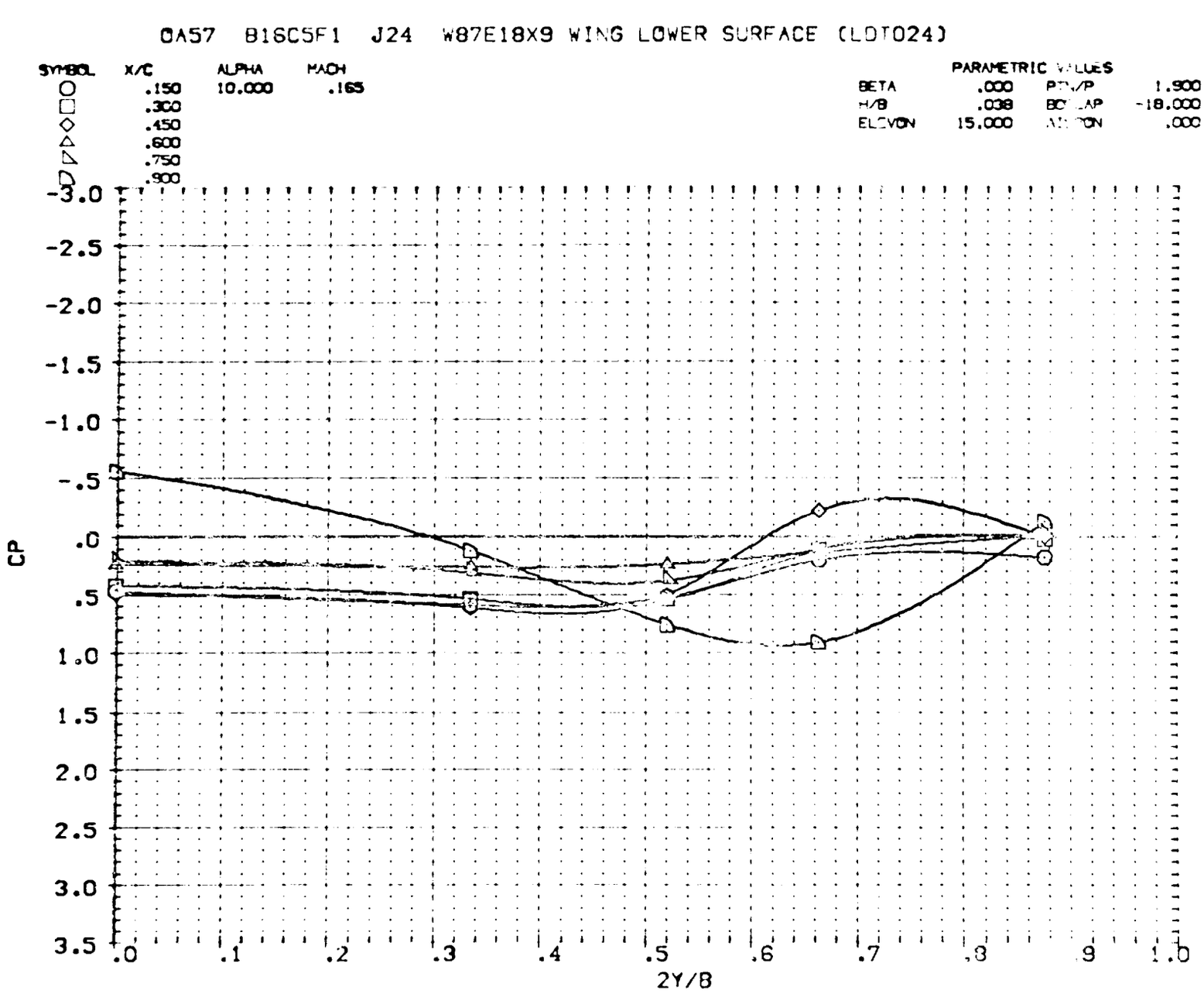


FIG 19 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.038, ELEVON= 15

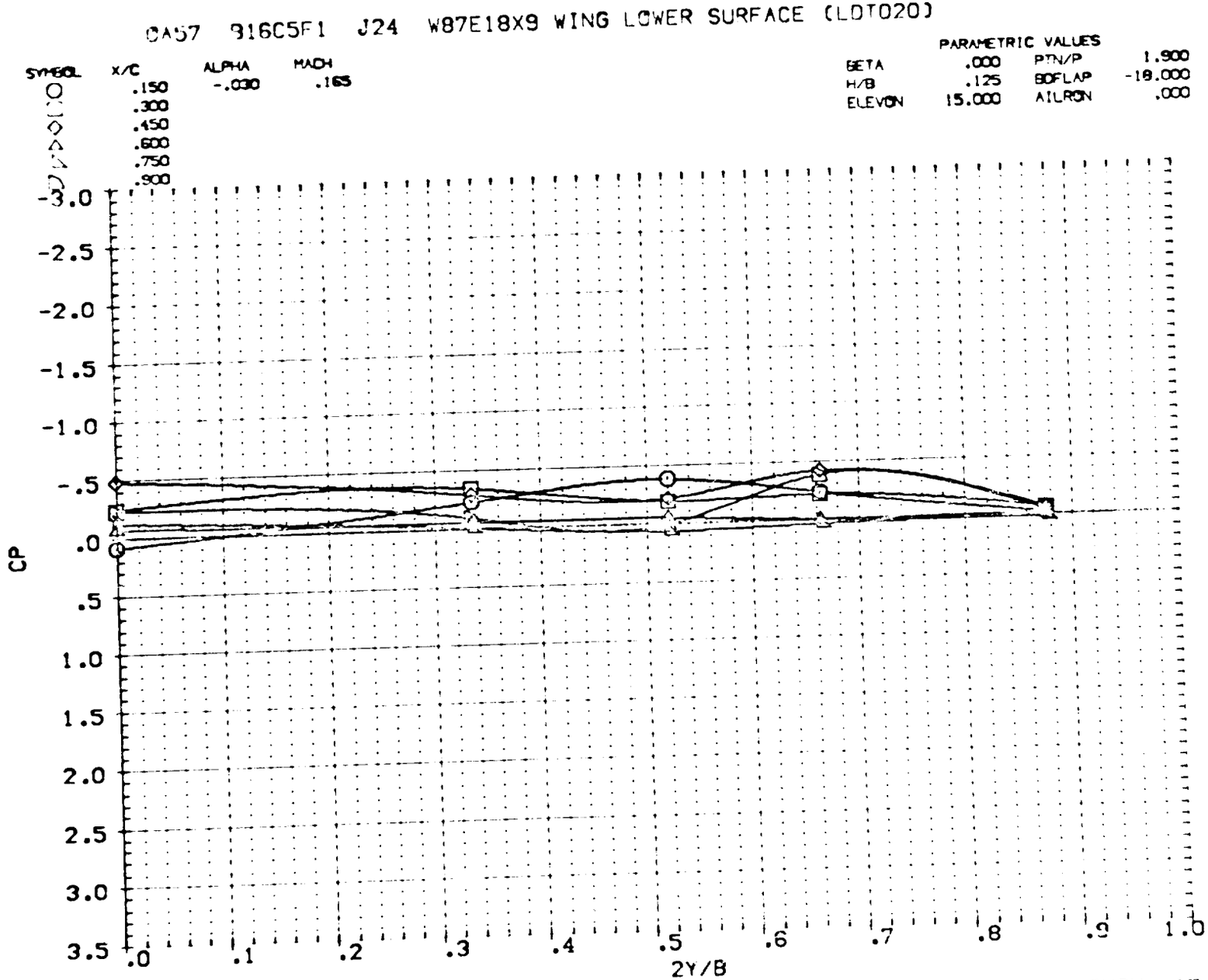


FIG 20 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 15

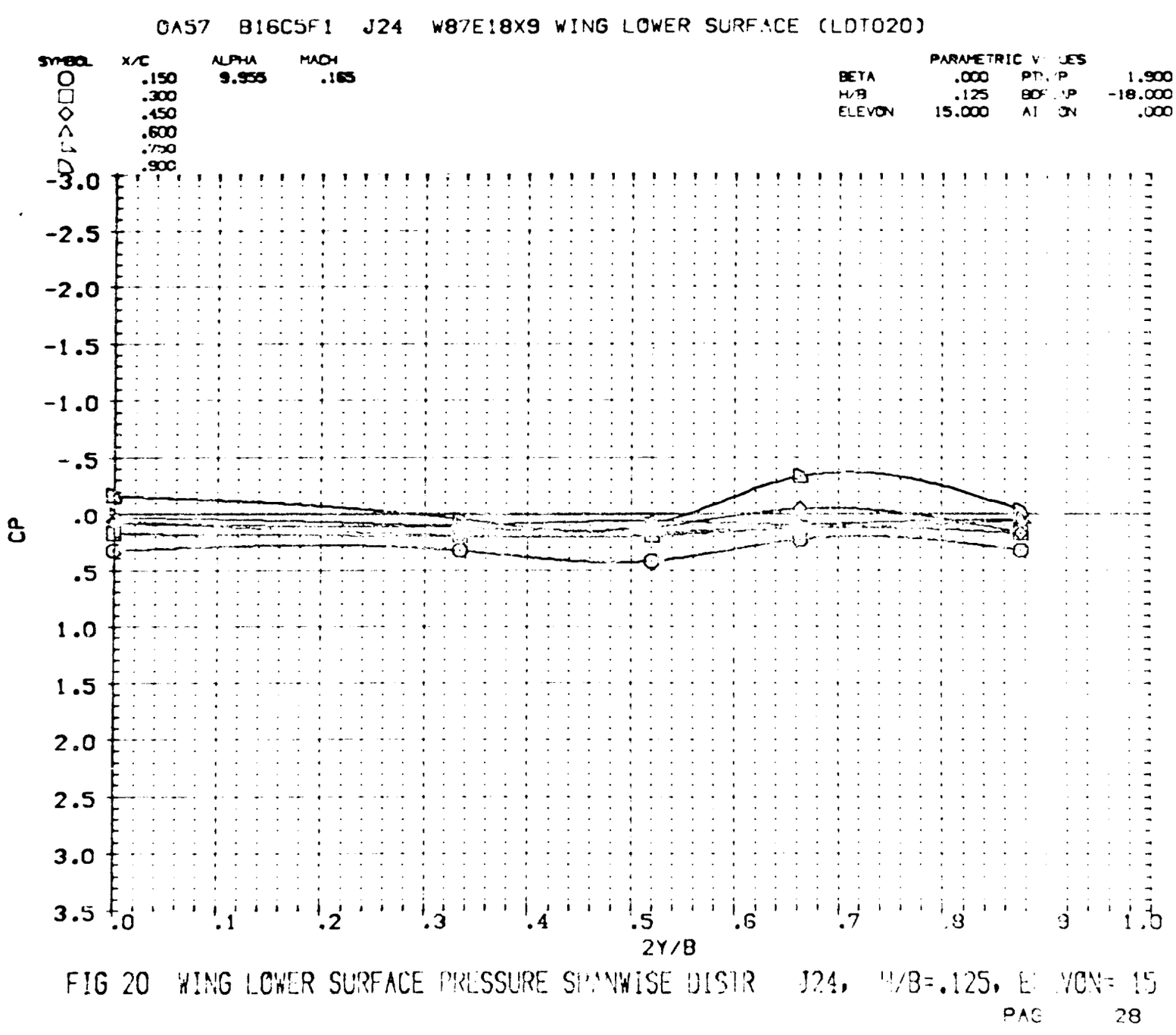


FIG 20 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.125, ELEVON= 15

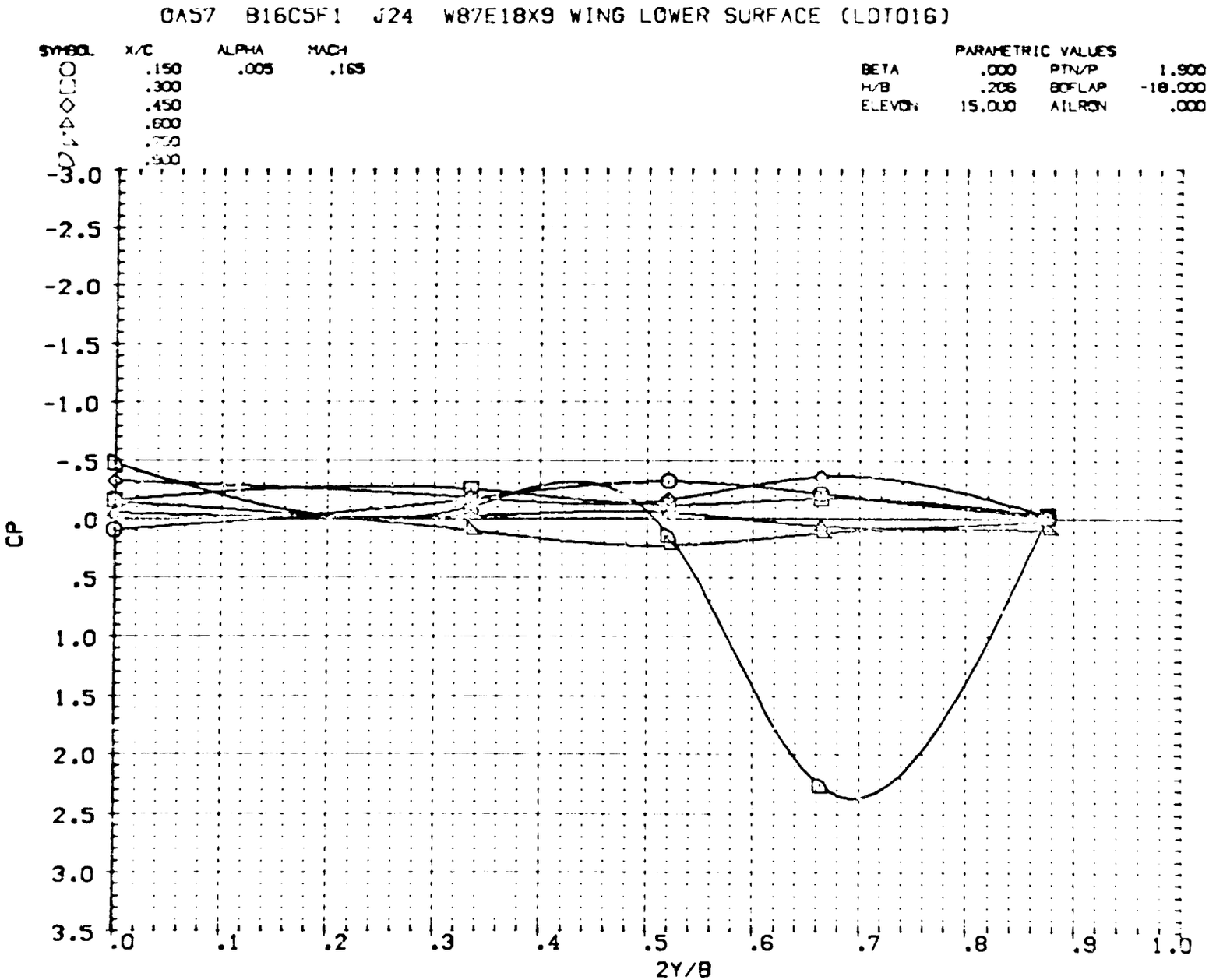


FIG 21 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24, H/B=.286, ELEVON= 15

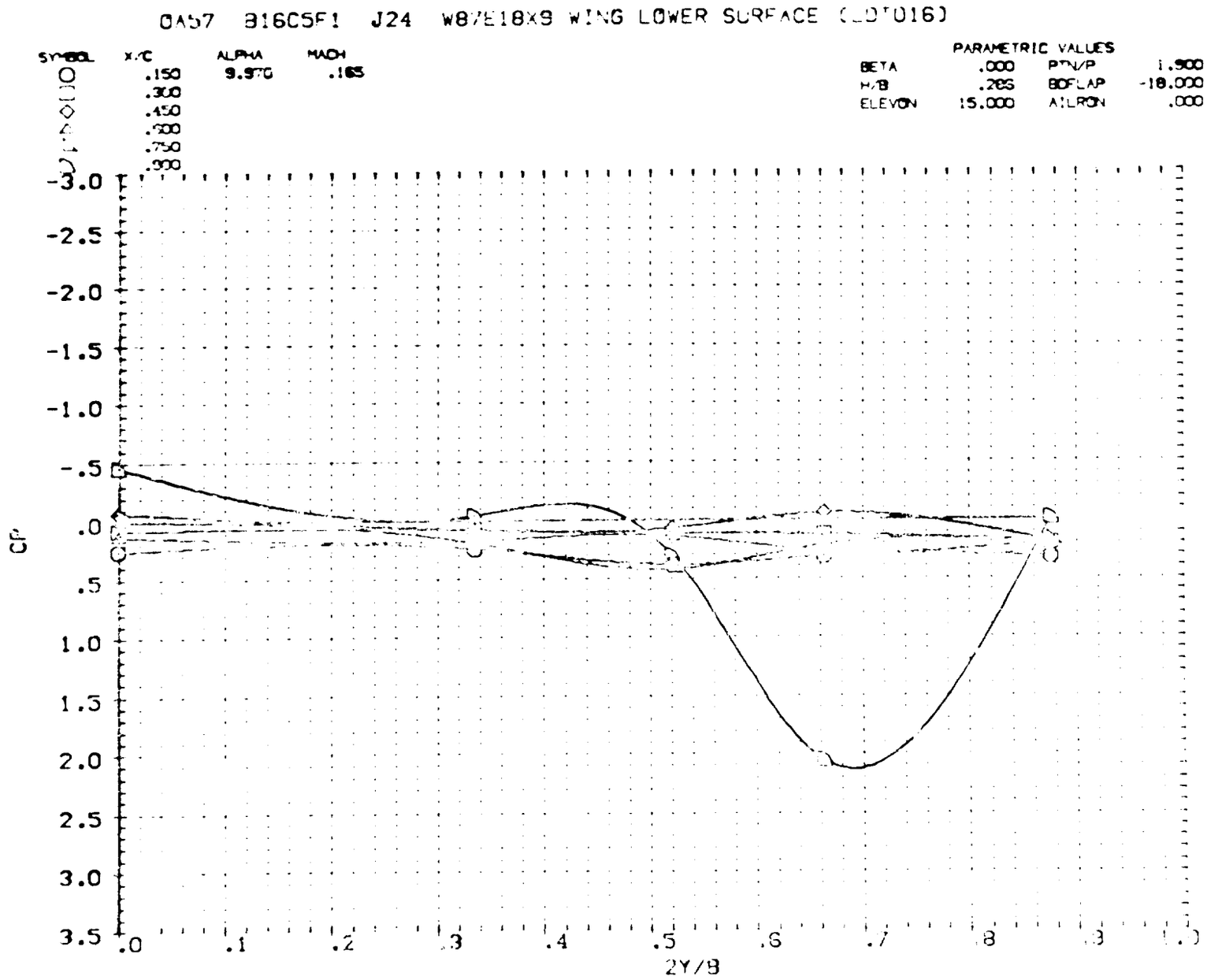


FIG 21 WING LOWER SURFACE PRESSURE SPANWISE DISTR J24 [illegible]

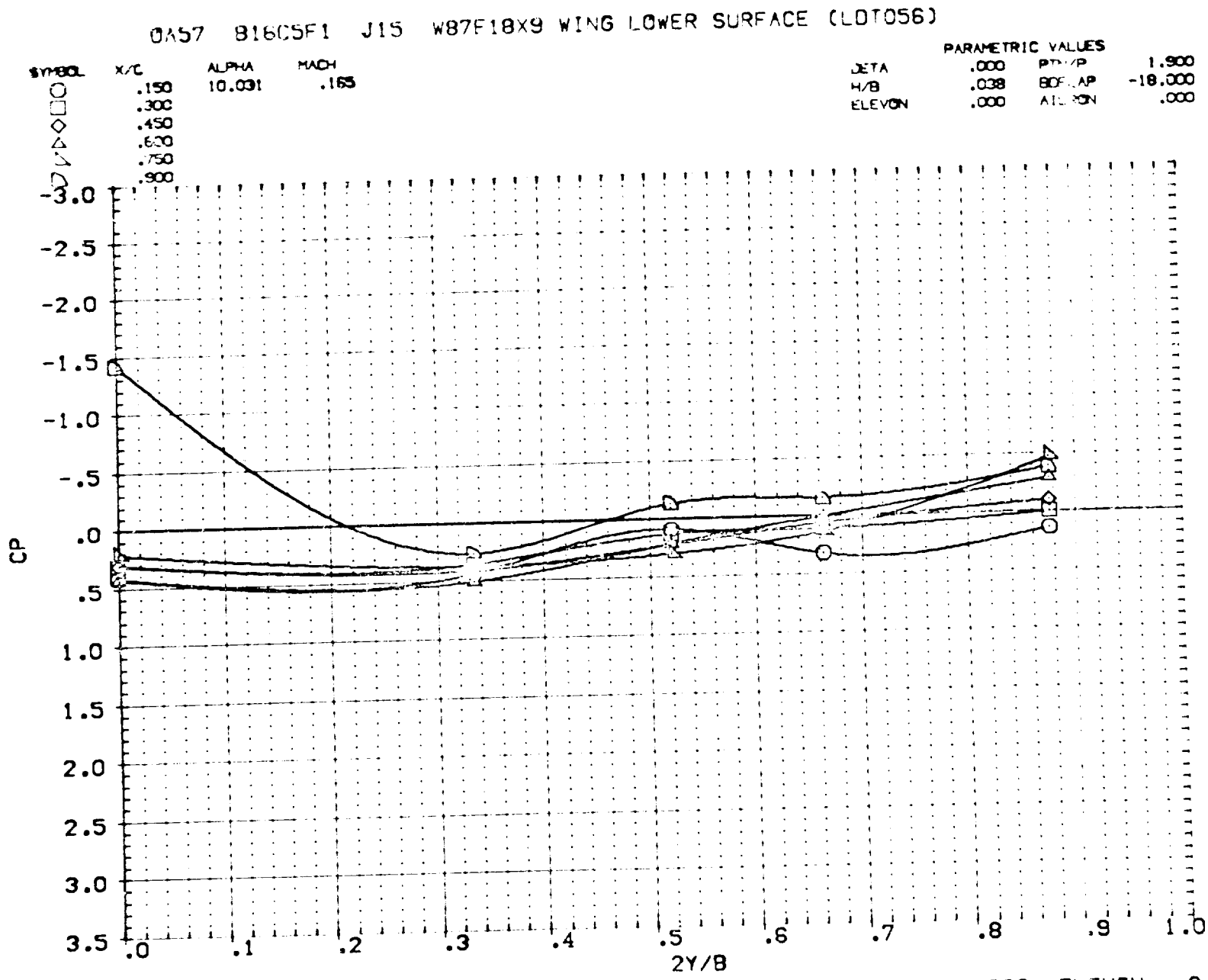


FIG 22 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.038, ELEVON= 0

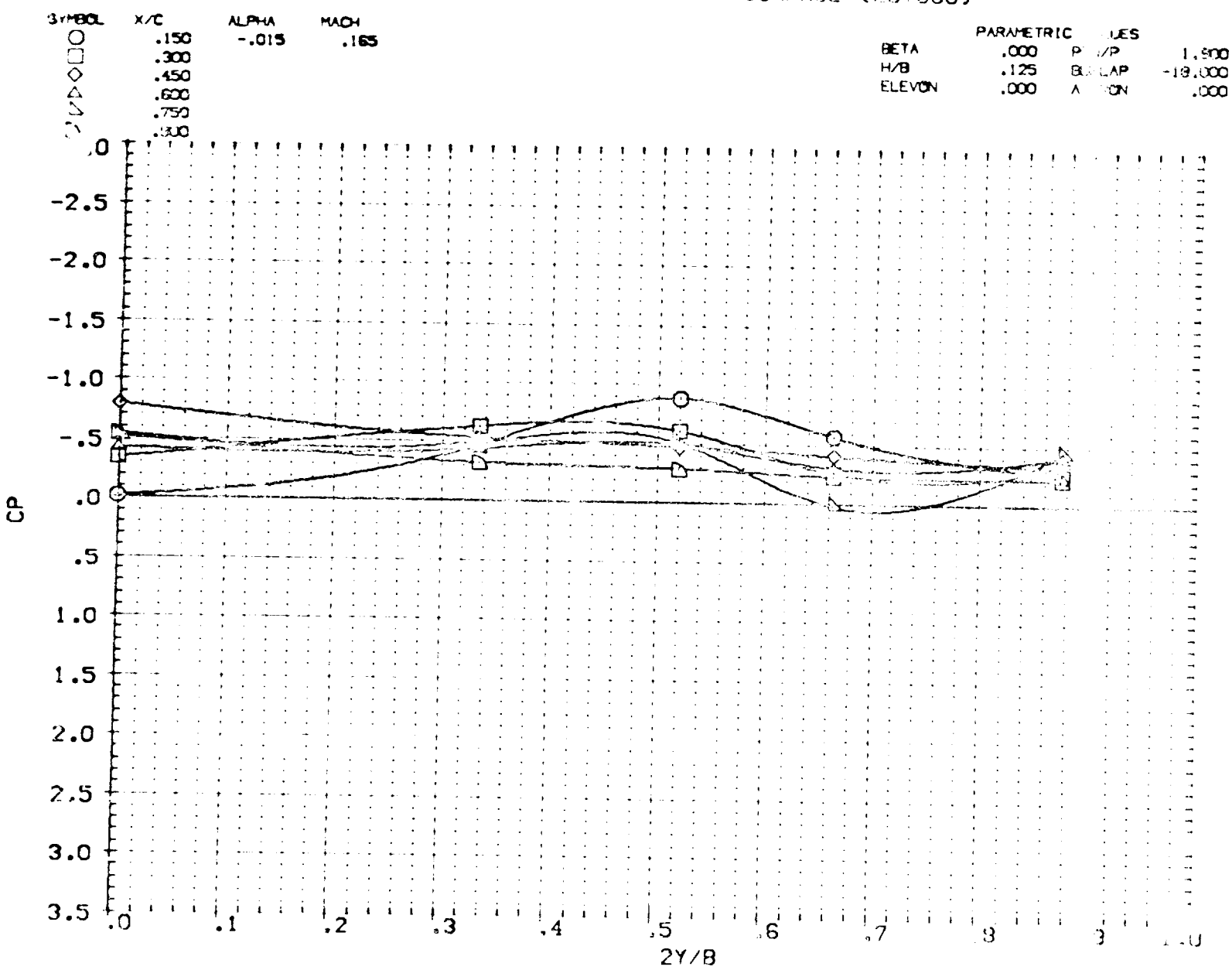


FIG 23 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, E VON= 0

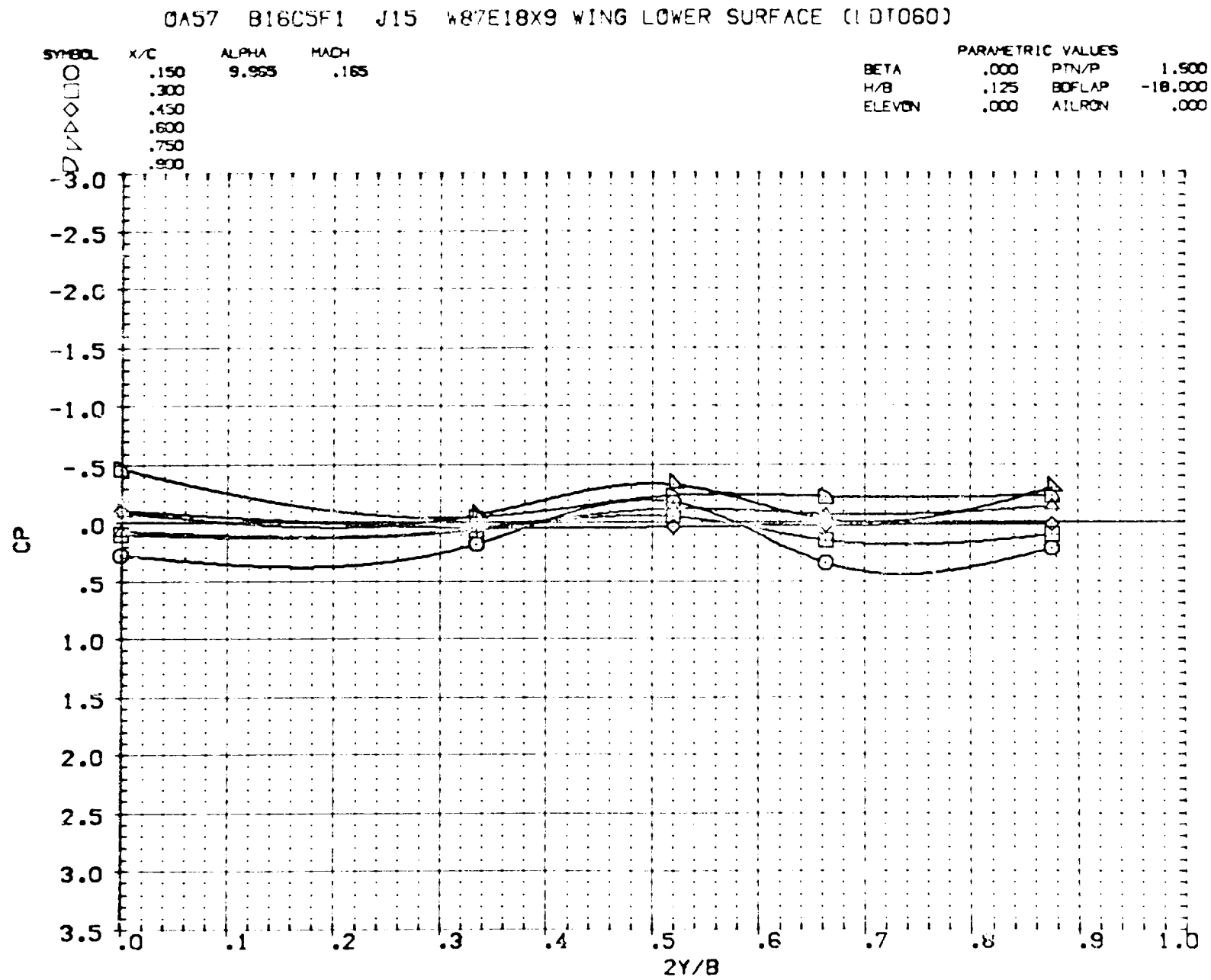


FIG 23 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, ELEVON= 0

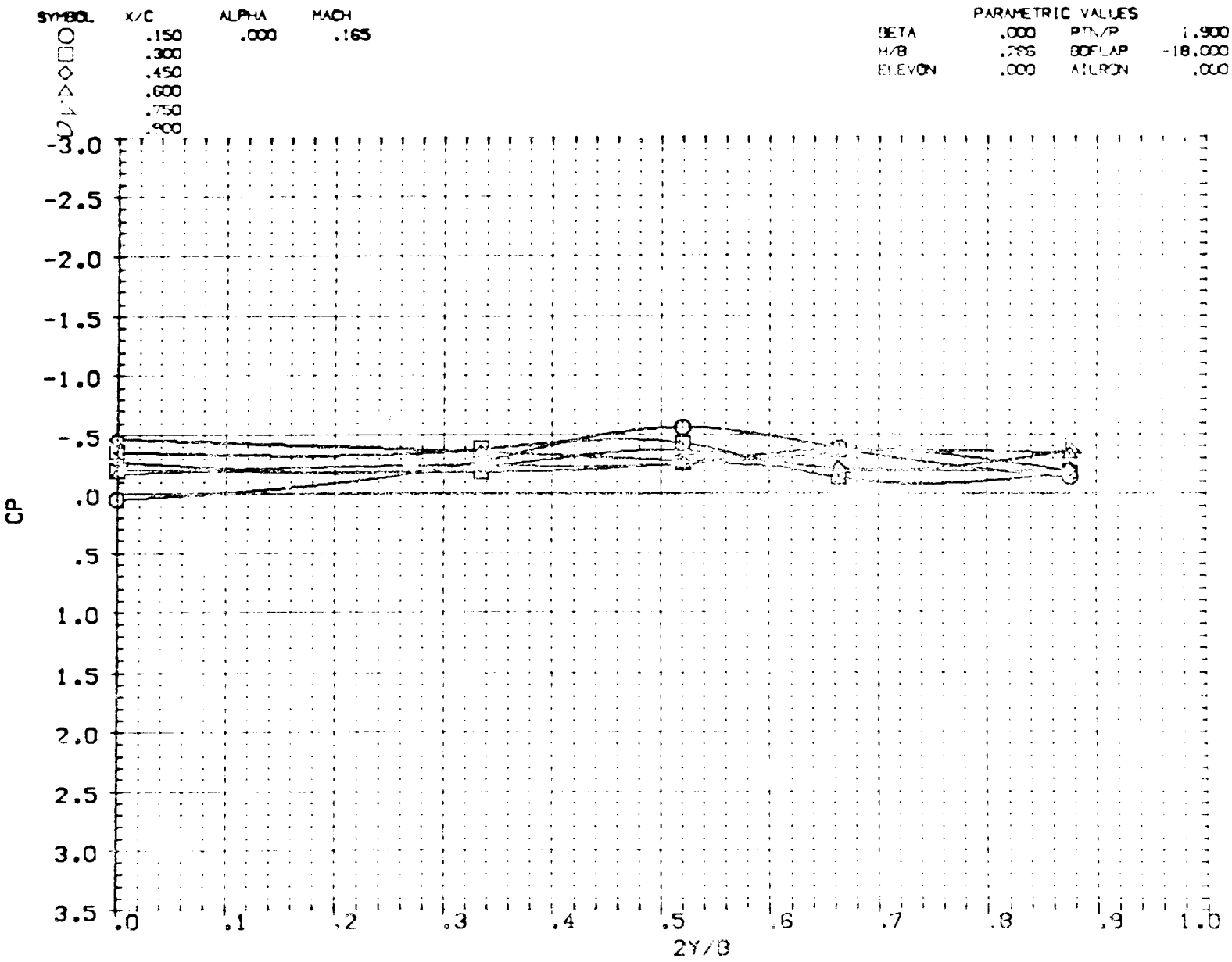


FIG 24 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, [illegible], ELEVON= 0

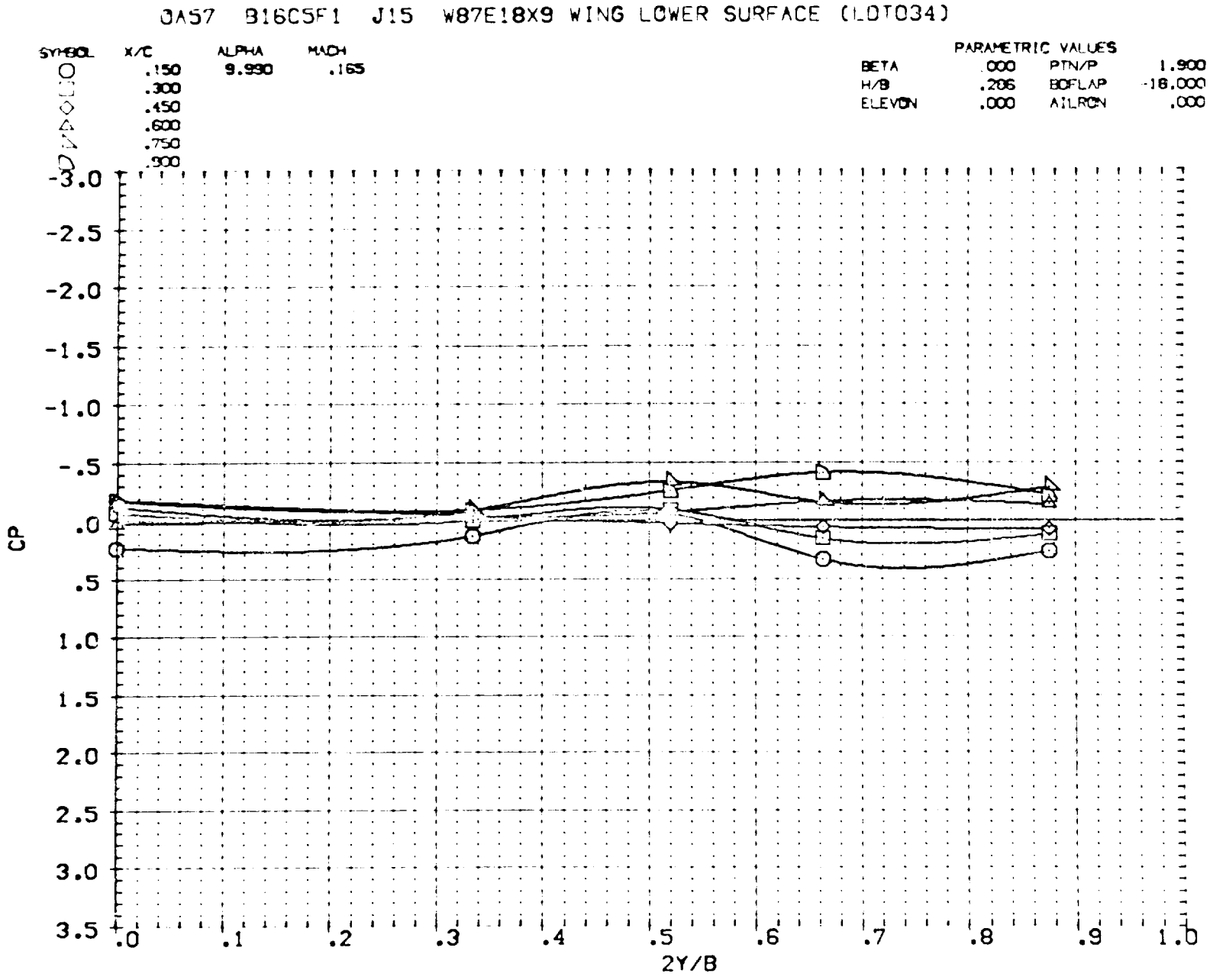


FIG 24 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.286, ELEVON= 0

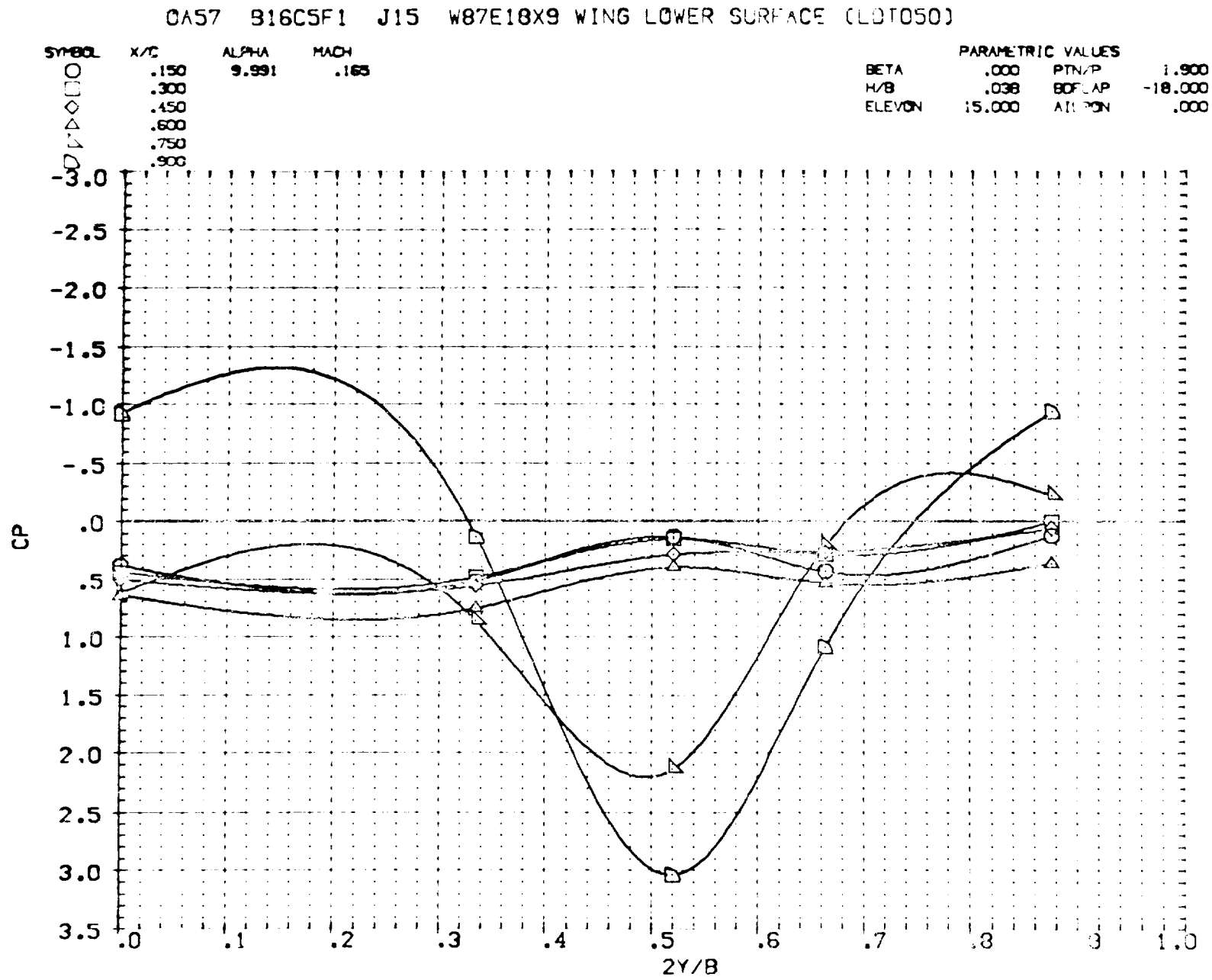


FIG 25 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.038, ELEVON= 15

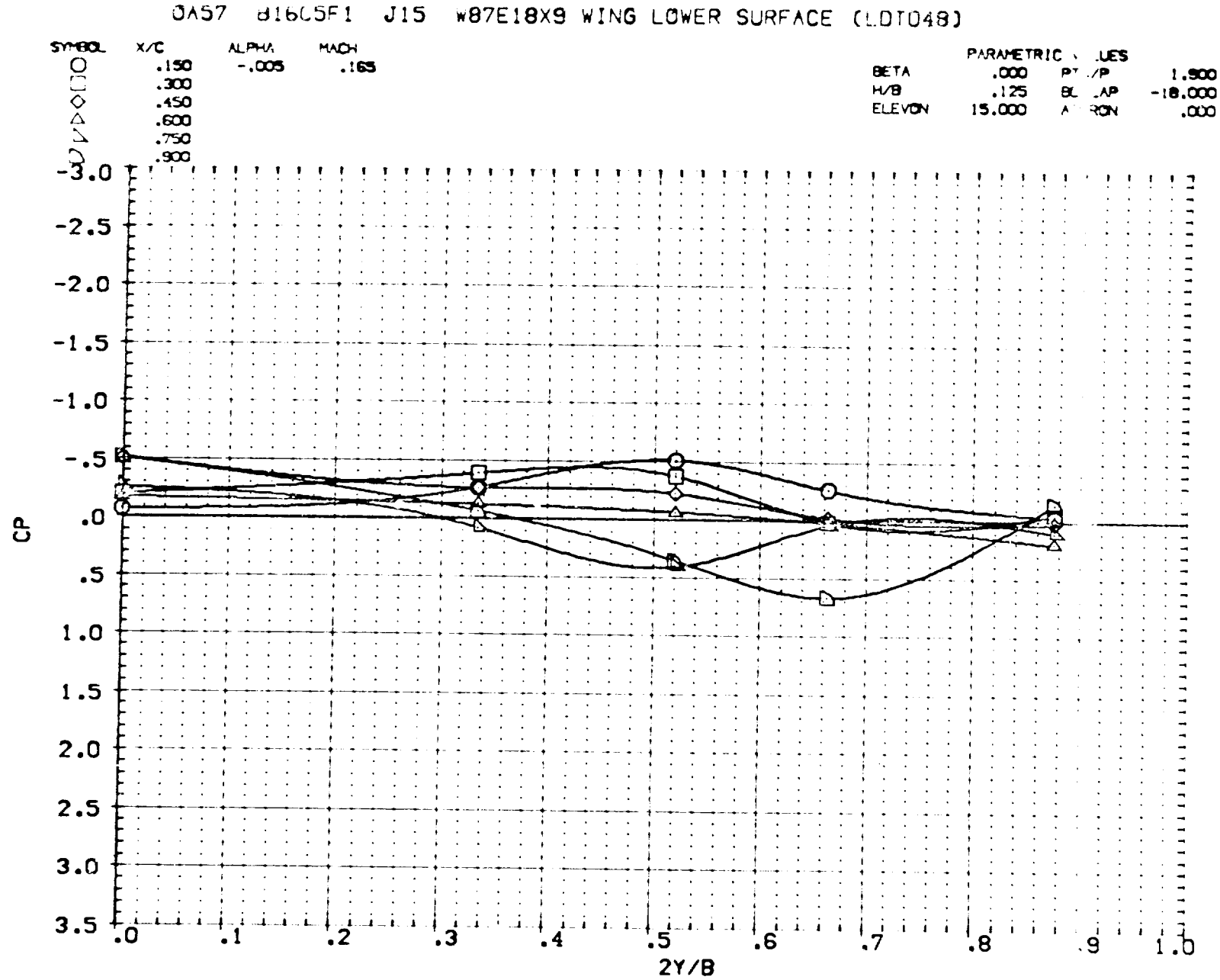


FIG 26 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, ELEVON= 15

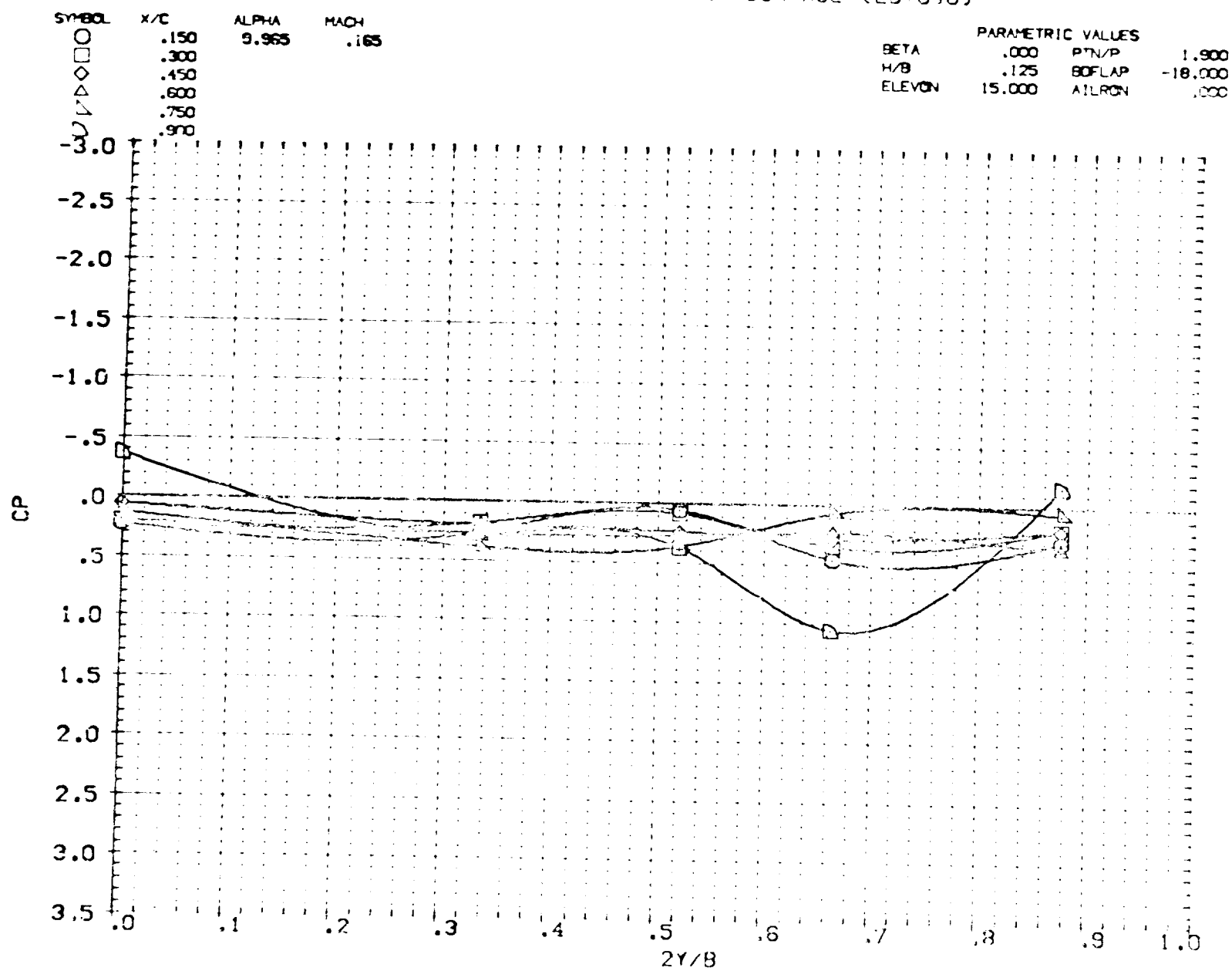


FIG 26 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.125, ELEVON= 15

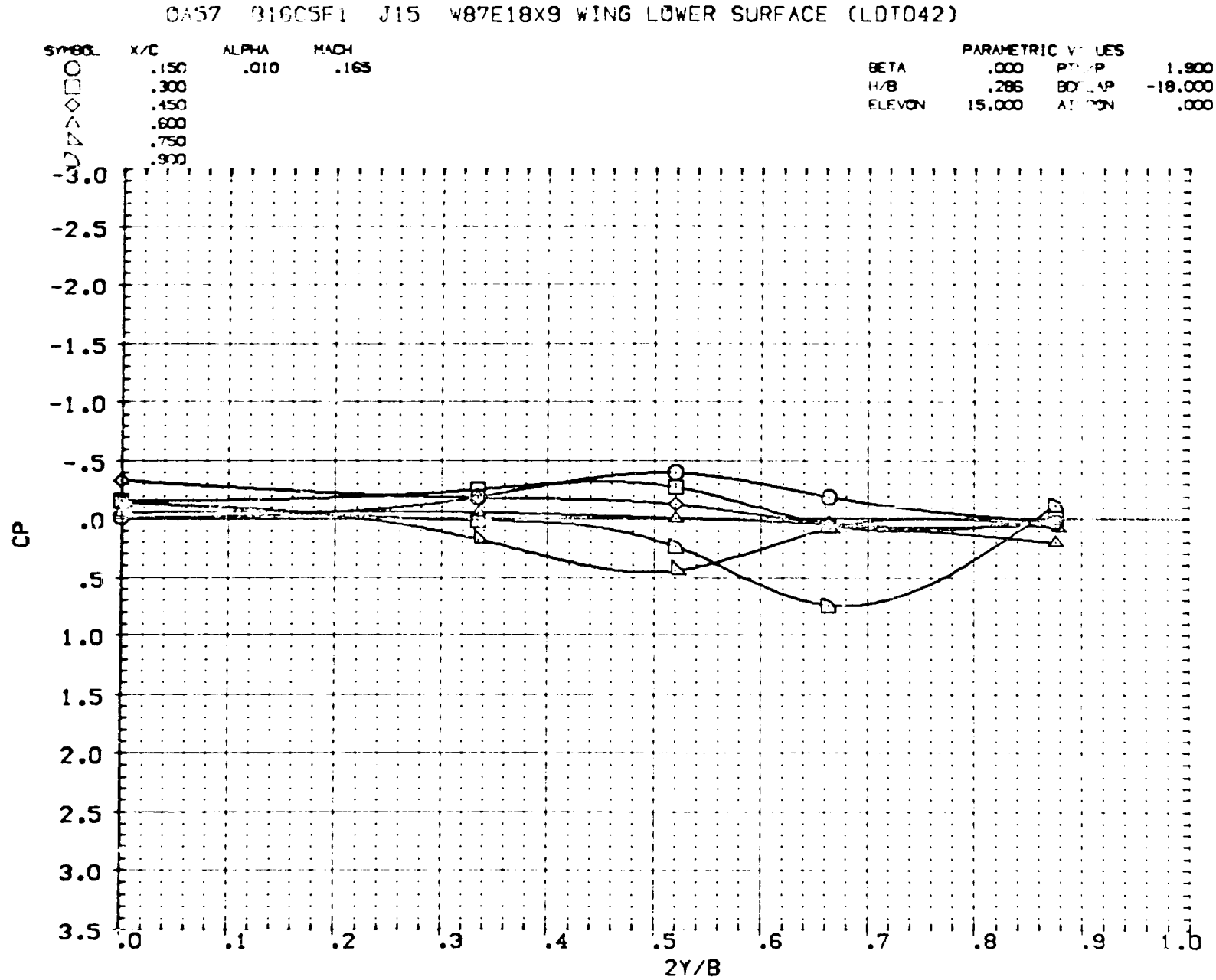


FIG 27 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.286, ELEVON= 15

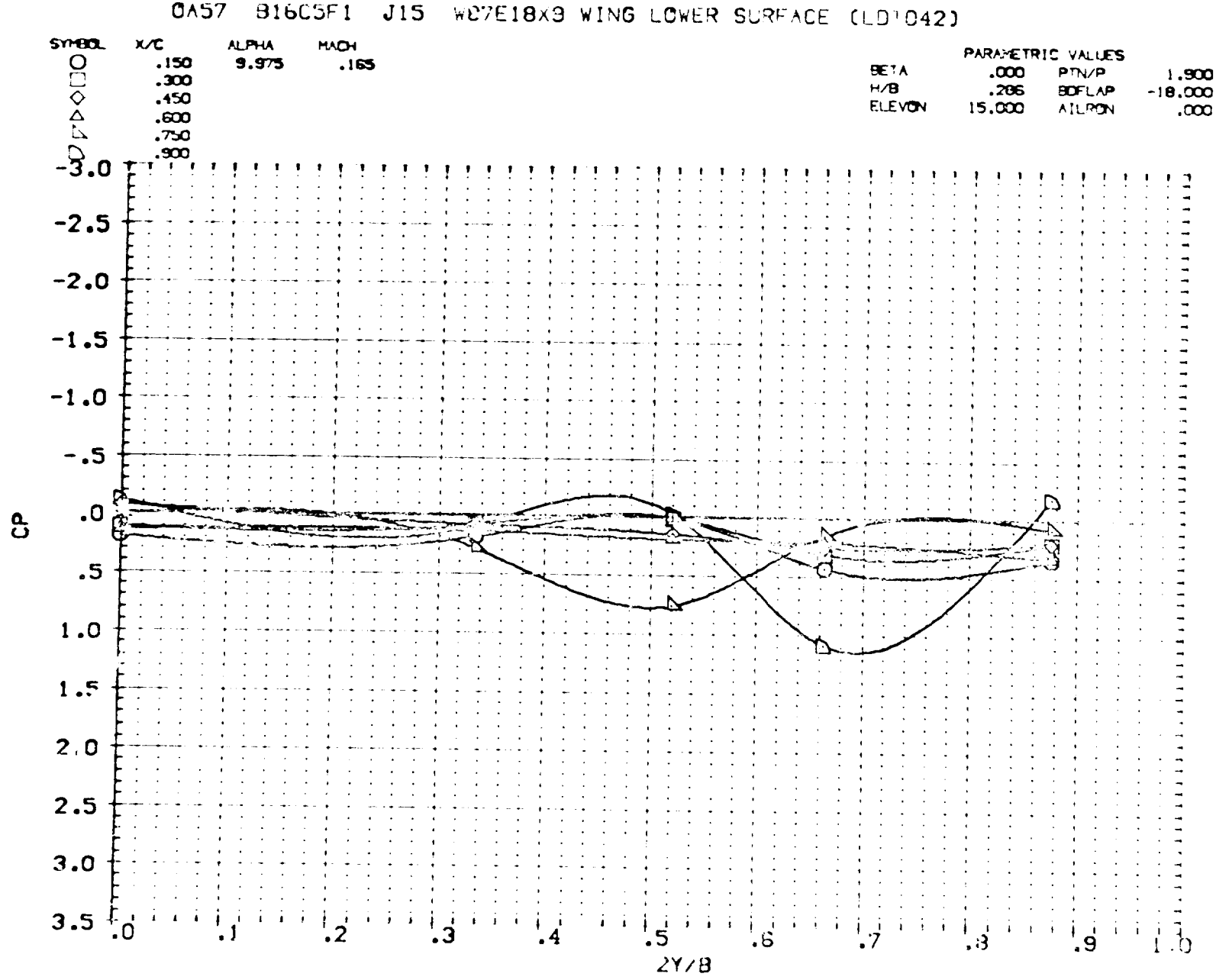


FIG 27 WING LOWER SURFACE PRESSURE SPANWISE DISTR J15, H/B=.286, ELEVON= 15

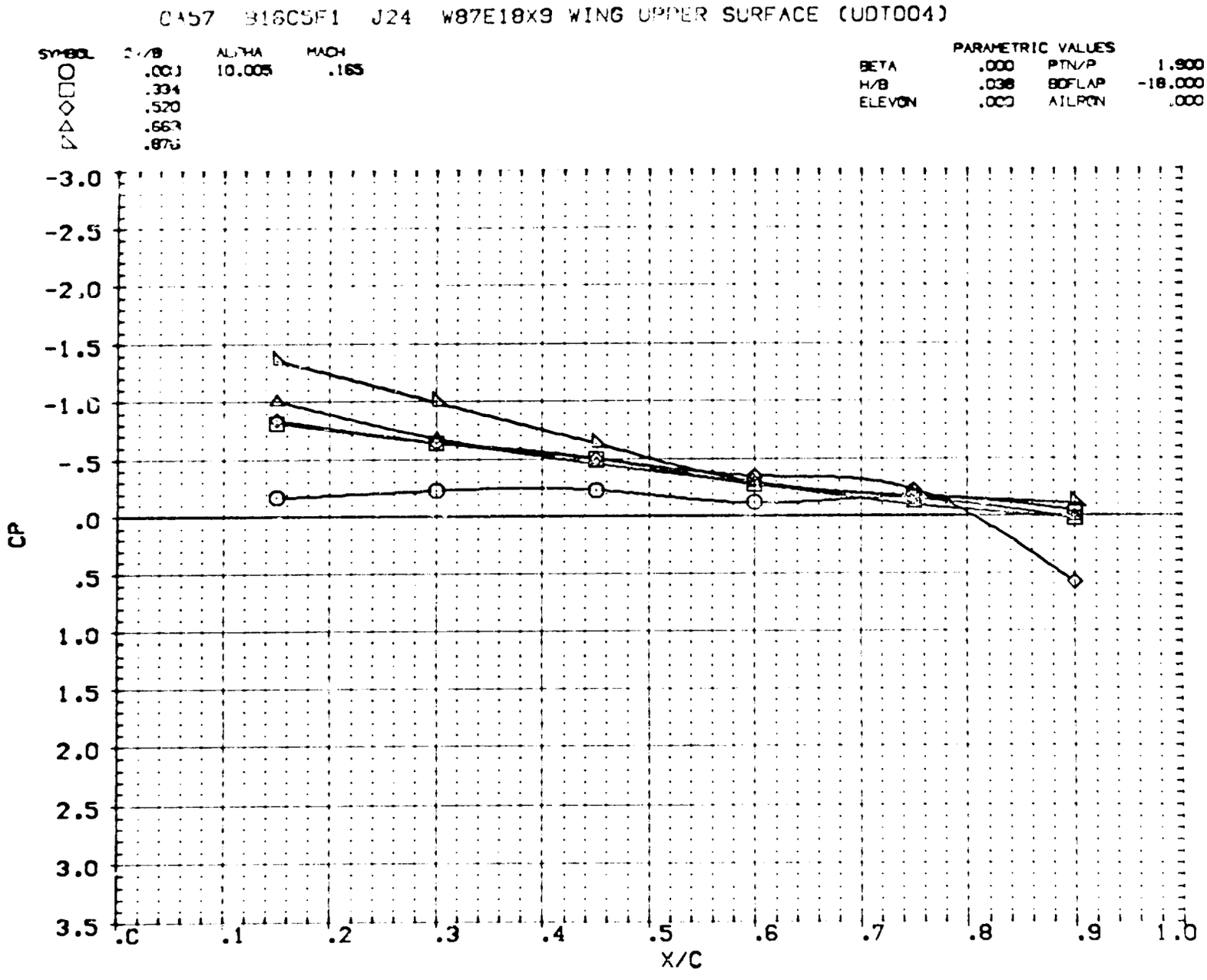


FIG 28 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 0

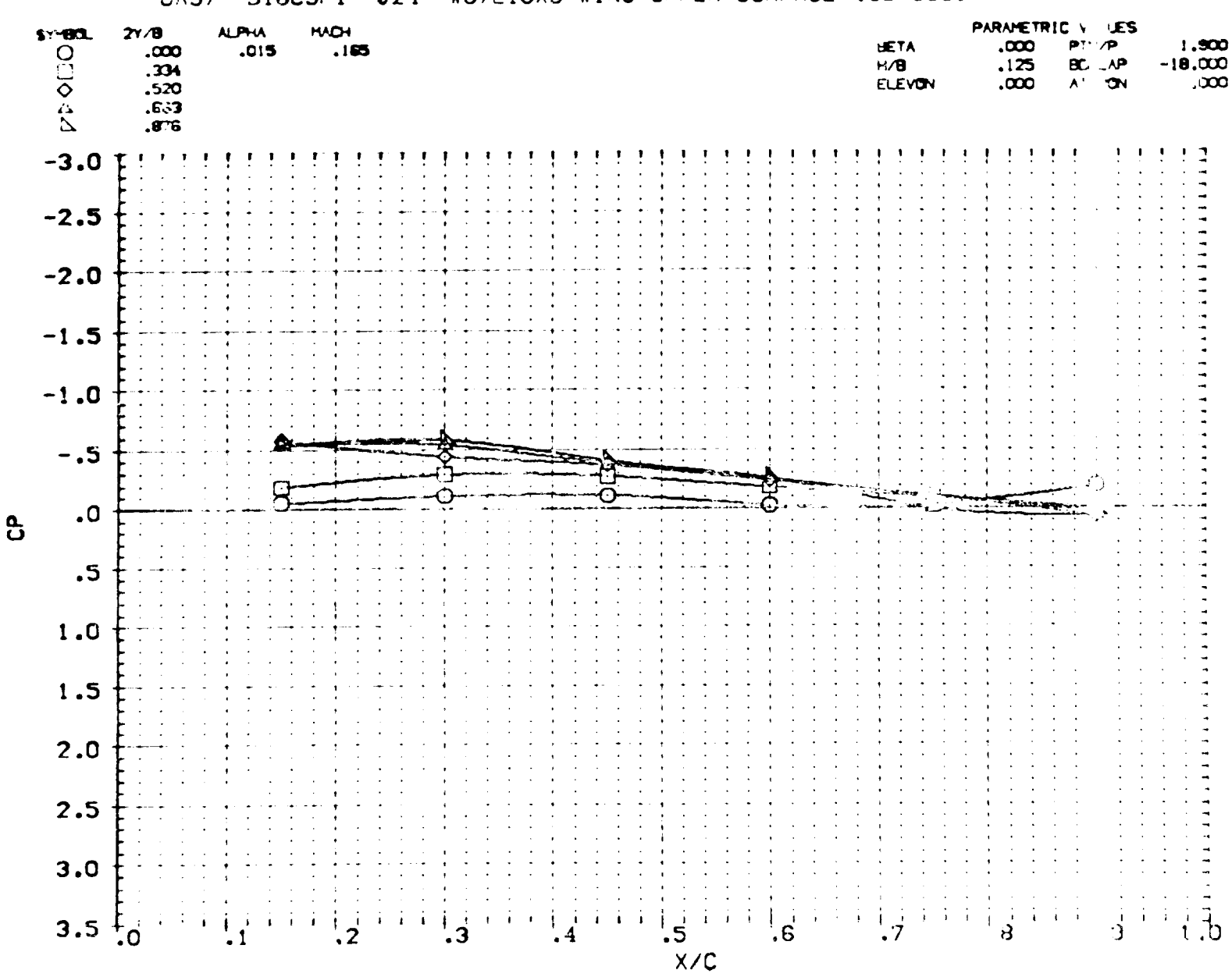


FIG 20 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 0

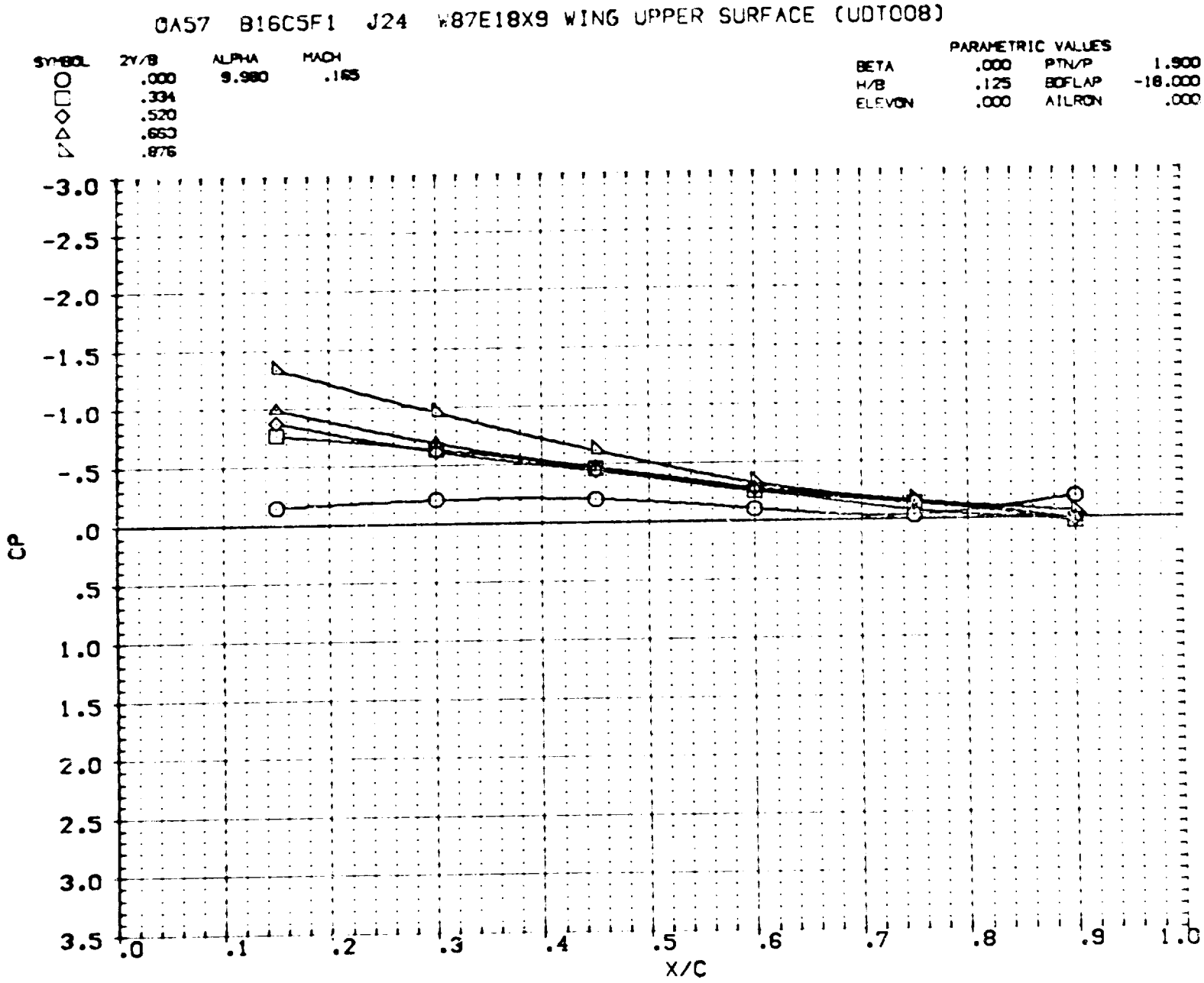


FIG 29 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (UDTO12)

SYMBOL	2Y/B	ALPHA	MACH
01044	.000	.000	.165
	.394		
	.520		
	.663		
	.876		

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.2[illegible]	BDFLAP	-18.000
ELEVON	.00[illegible]	AILRON	.000

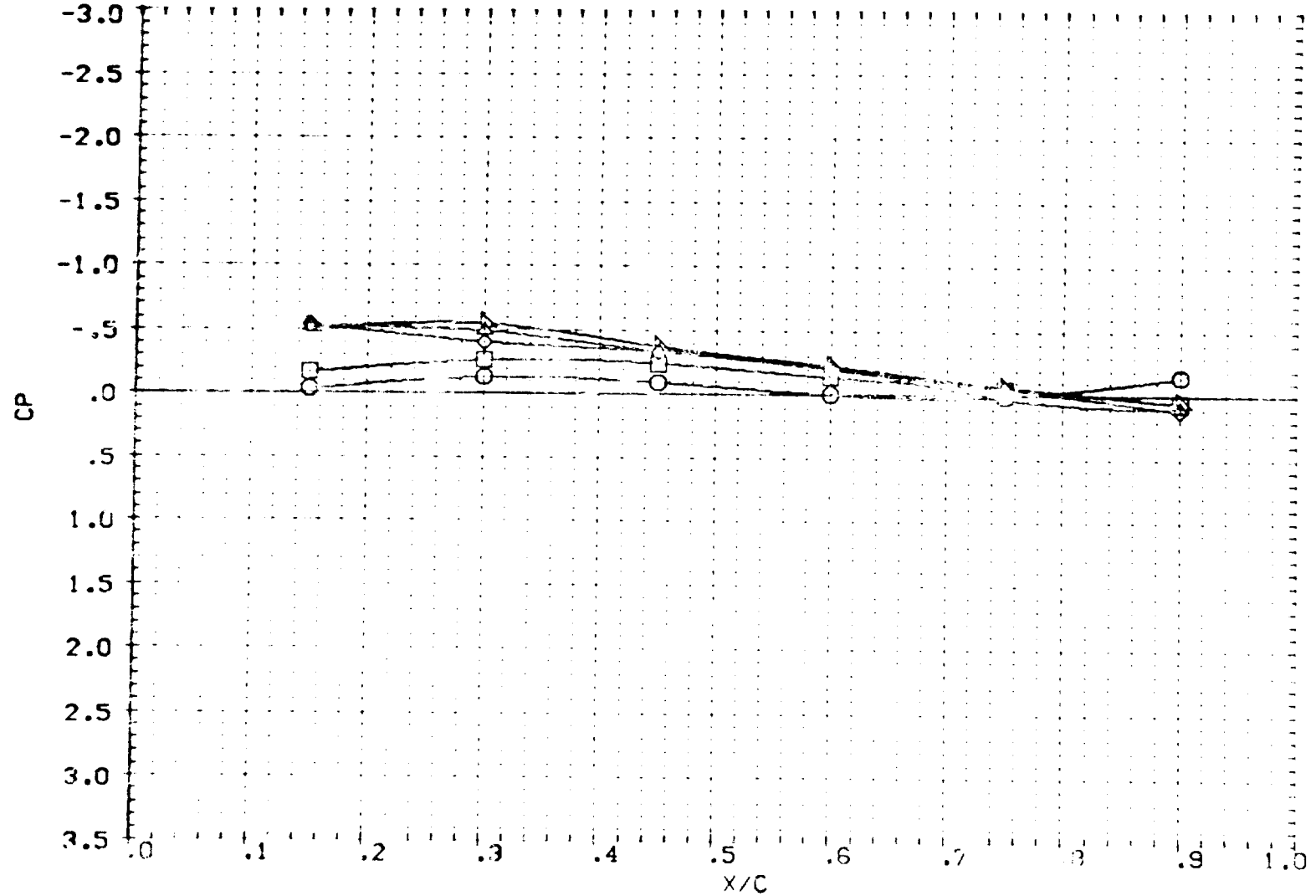


FIG 30 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 0

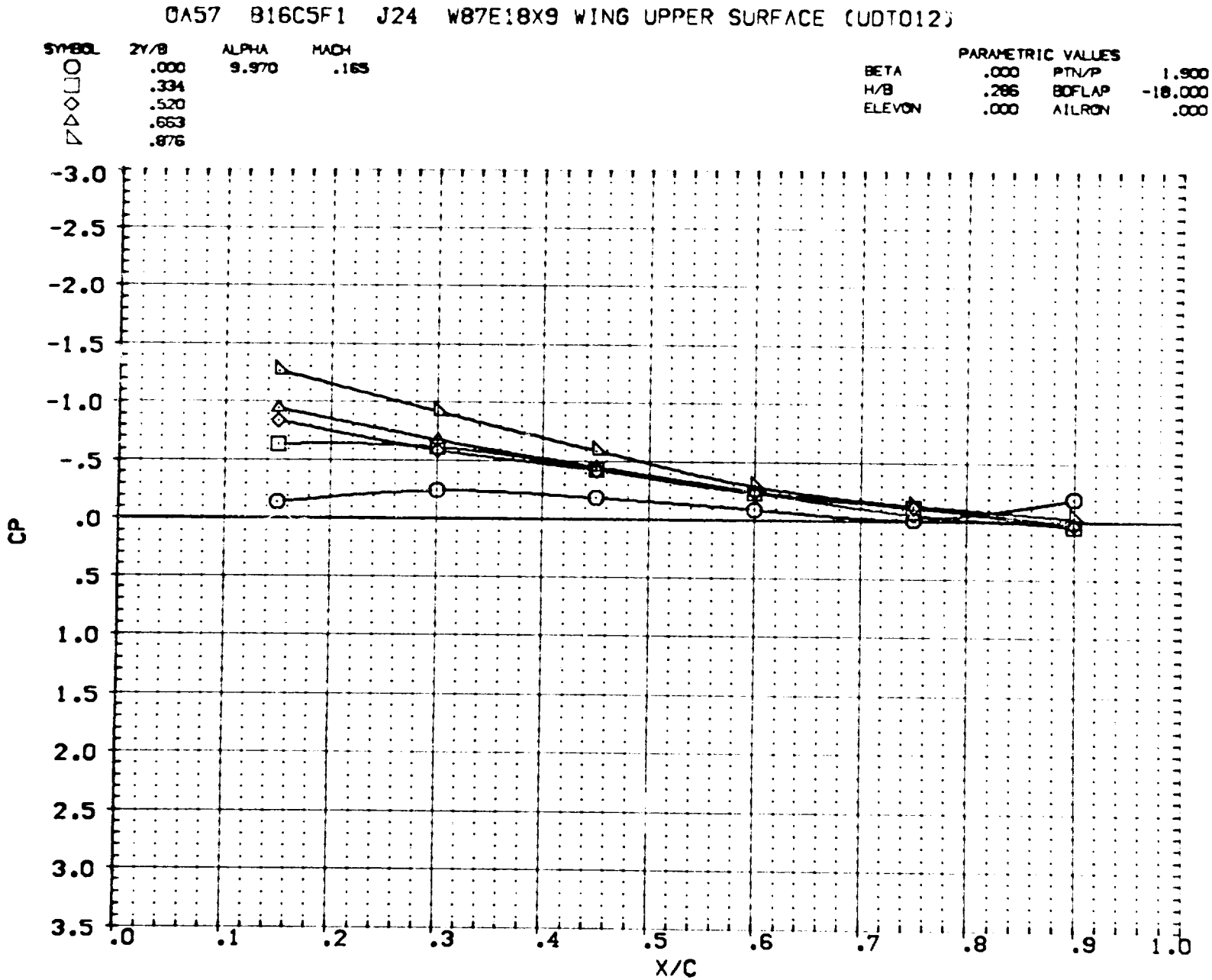


FIG 30 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 0

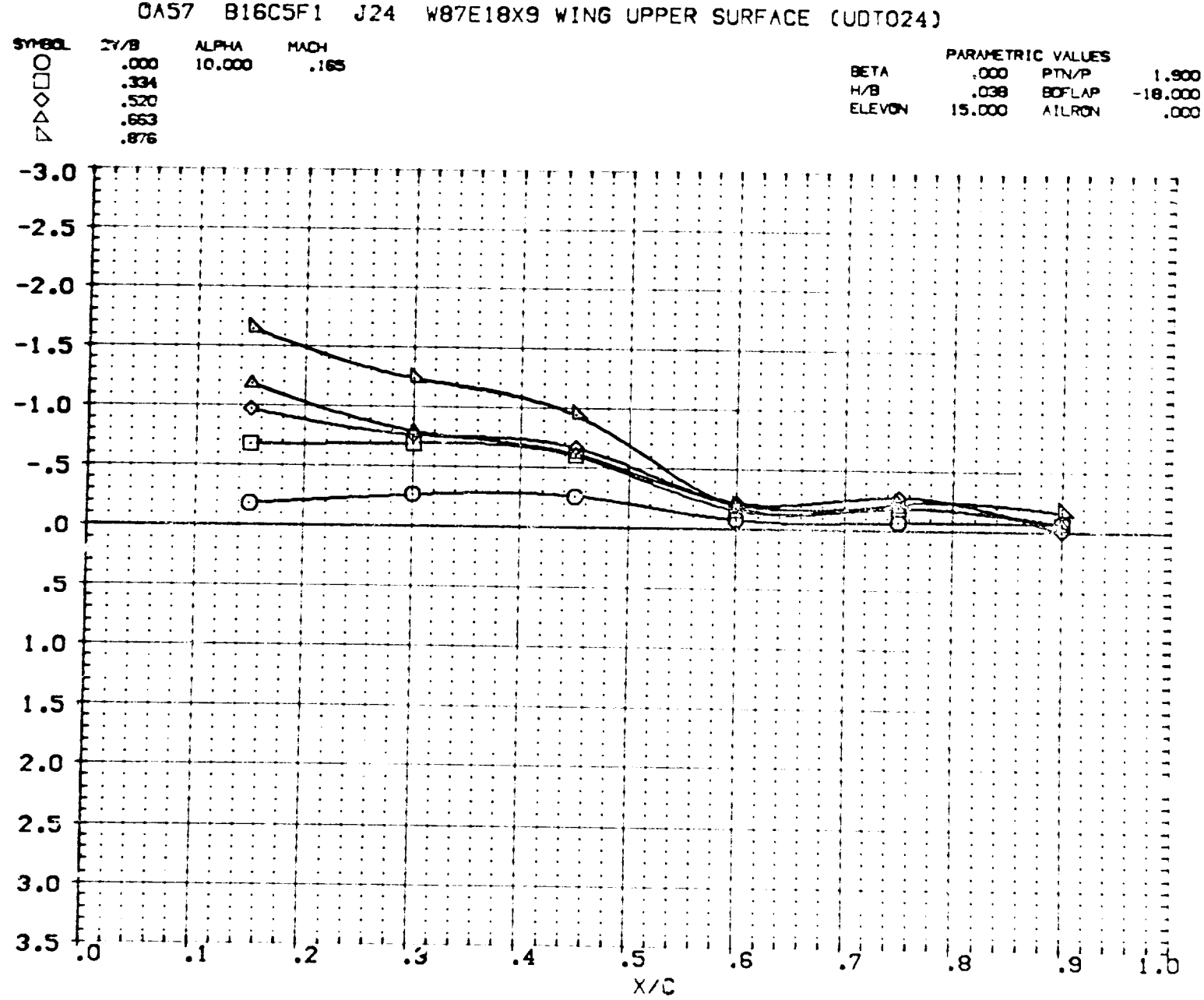


FIG 31 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 15

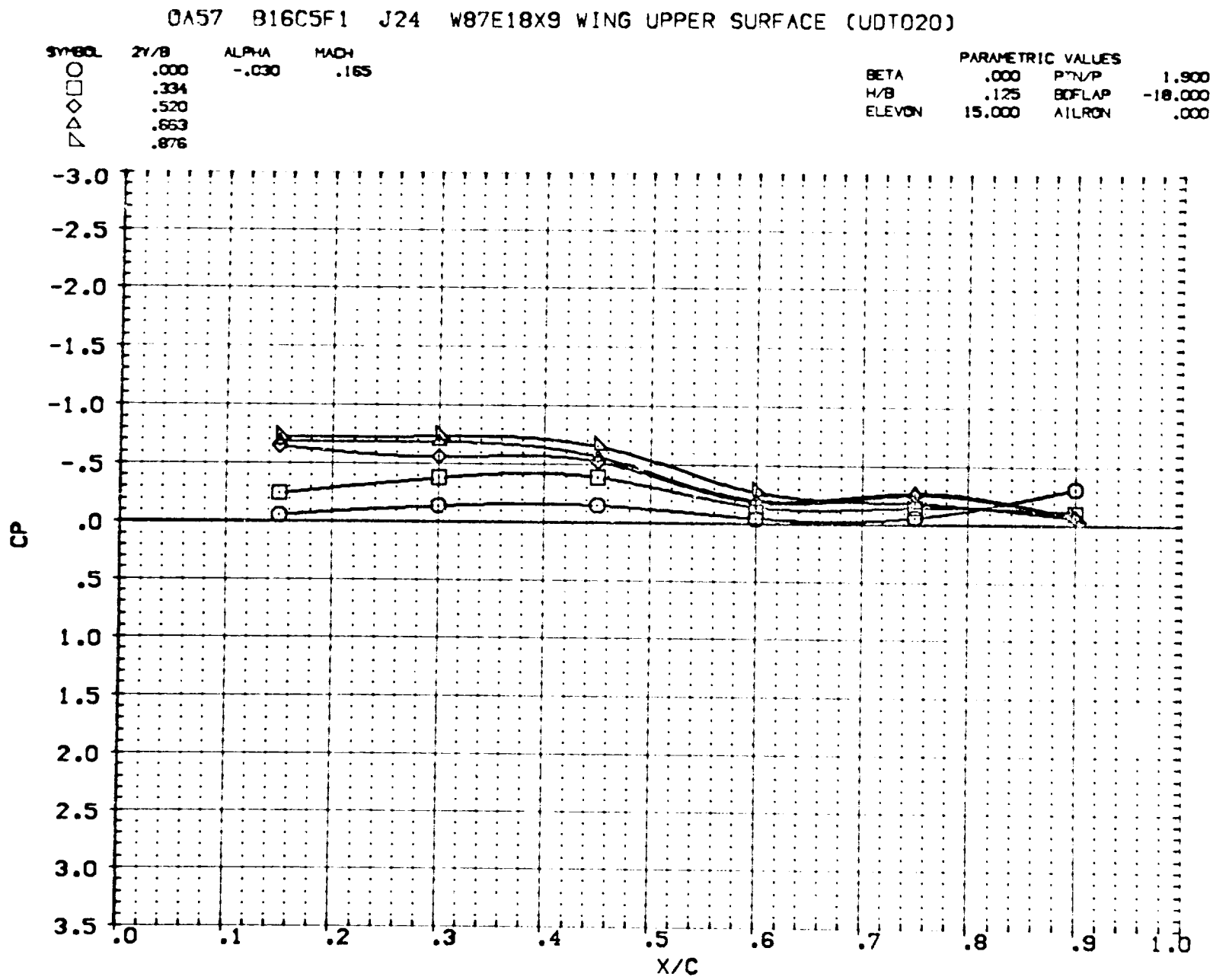


FIG 32 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

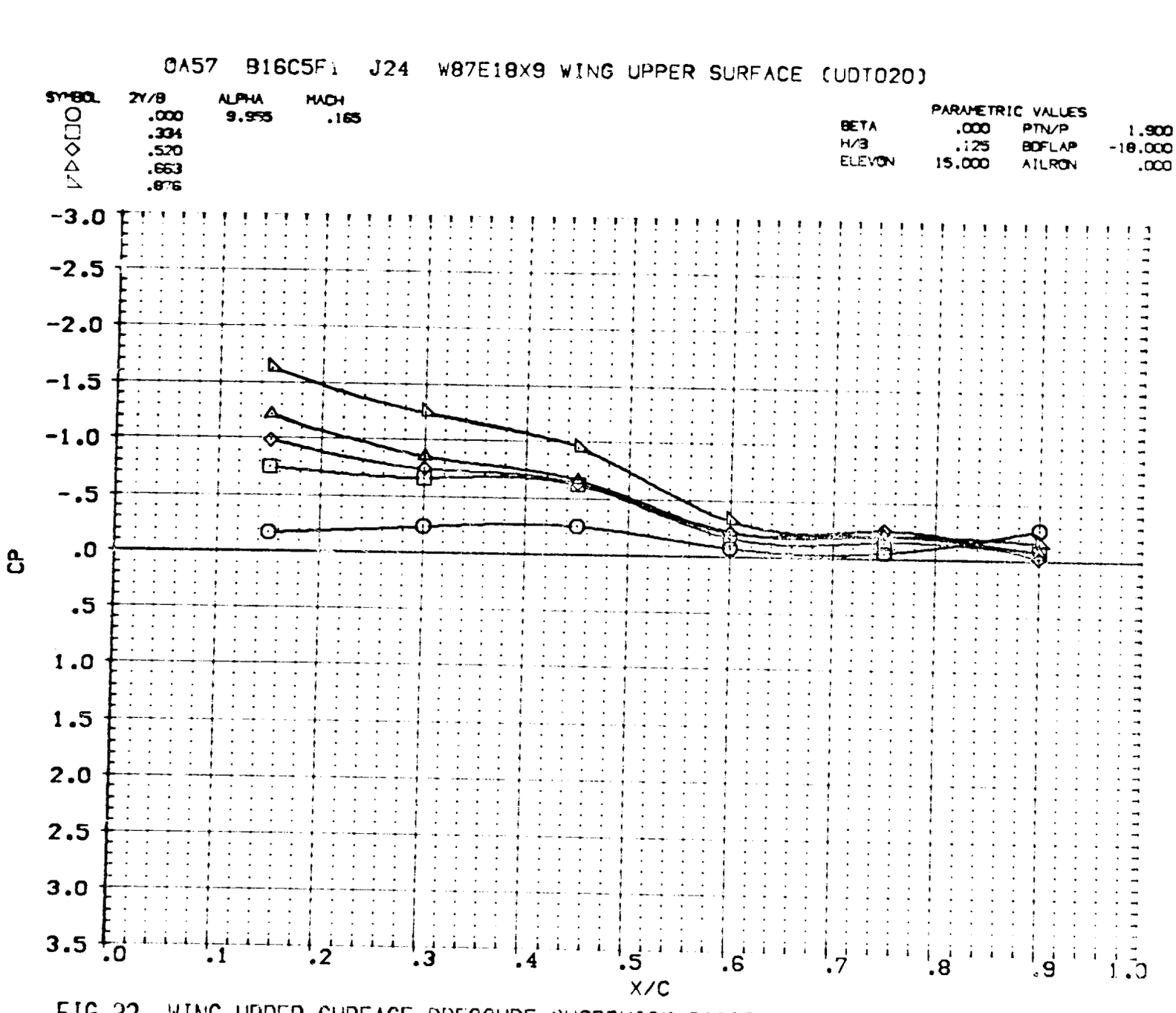


FIG 32 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

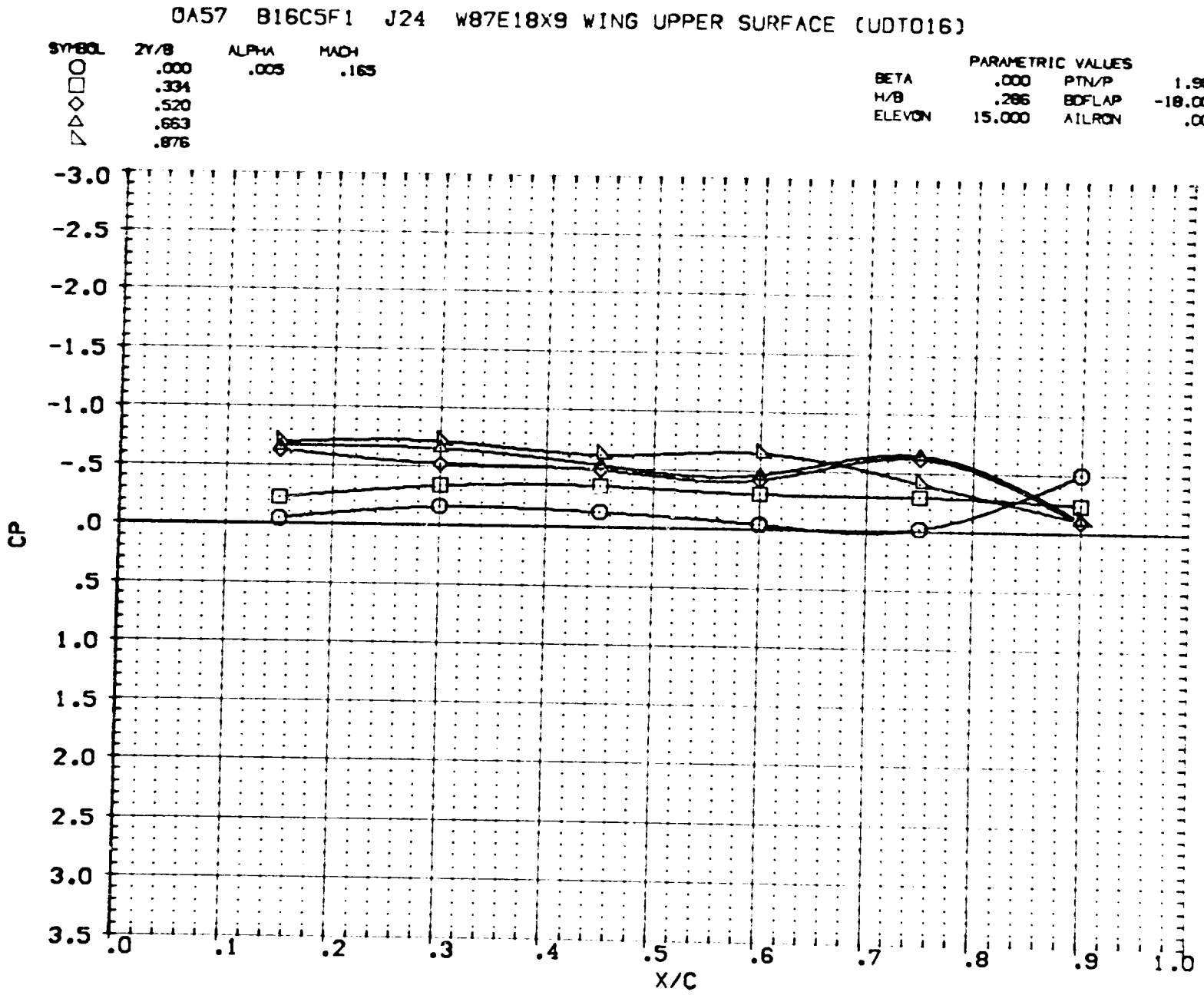


FIG 33 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

SYMBOL	2Y/B	ALPHA	MACH
○	.000	9.970	.165
□	.334		
◇	.520		
△	.663		
⊿	.876		

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-18.000
ELEVON	15.000	AILRON	.000

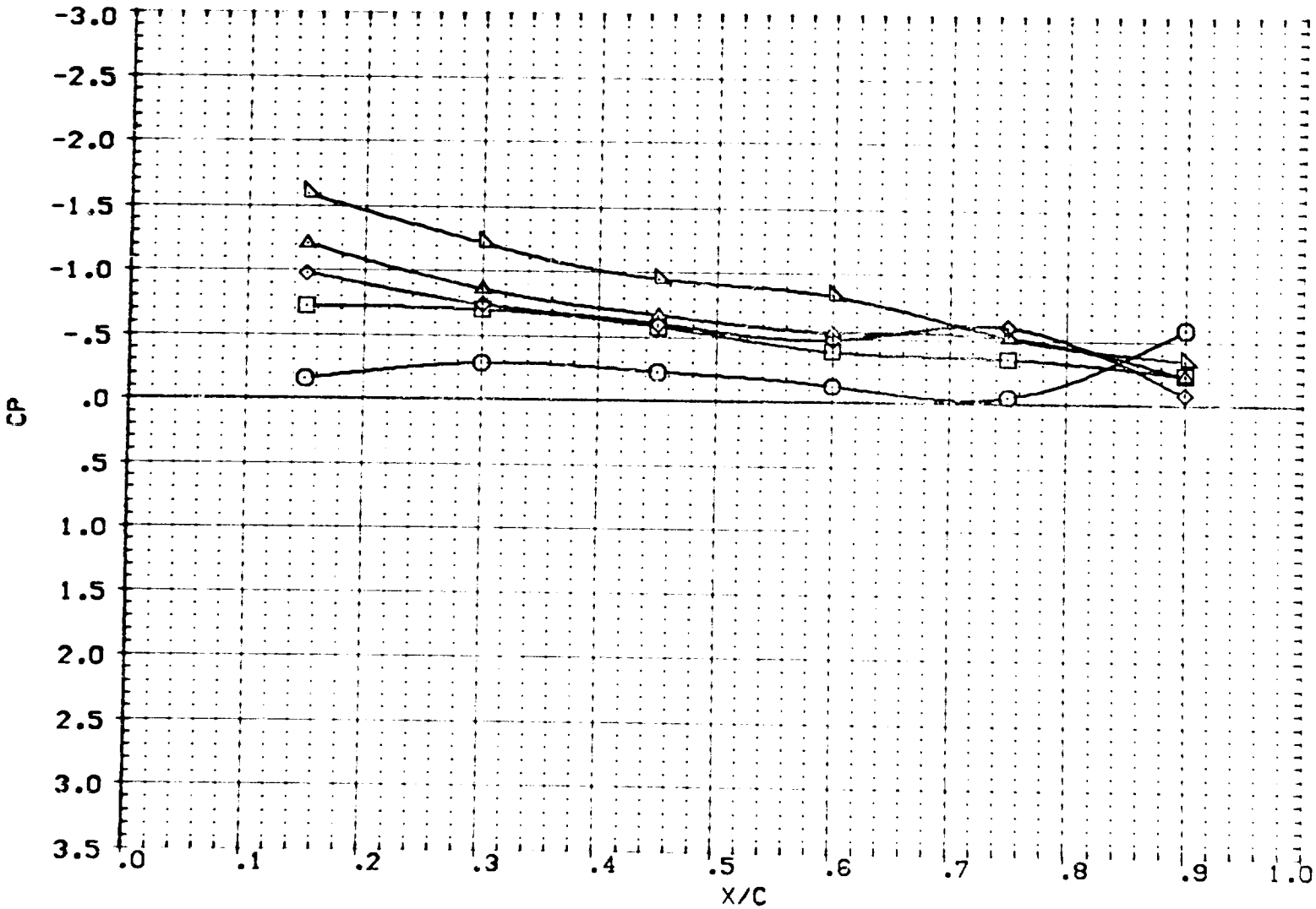


FIG 33 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

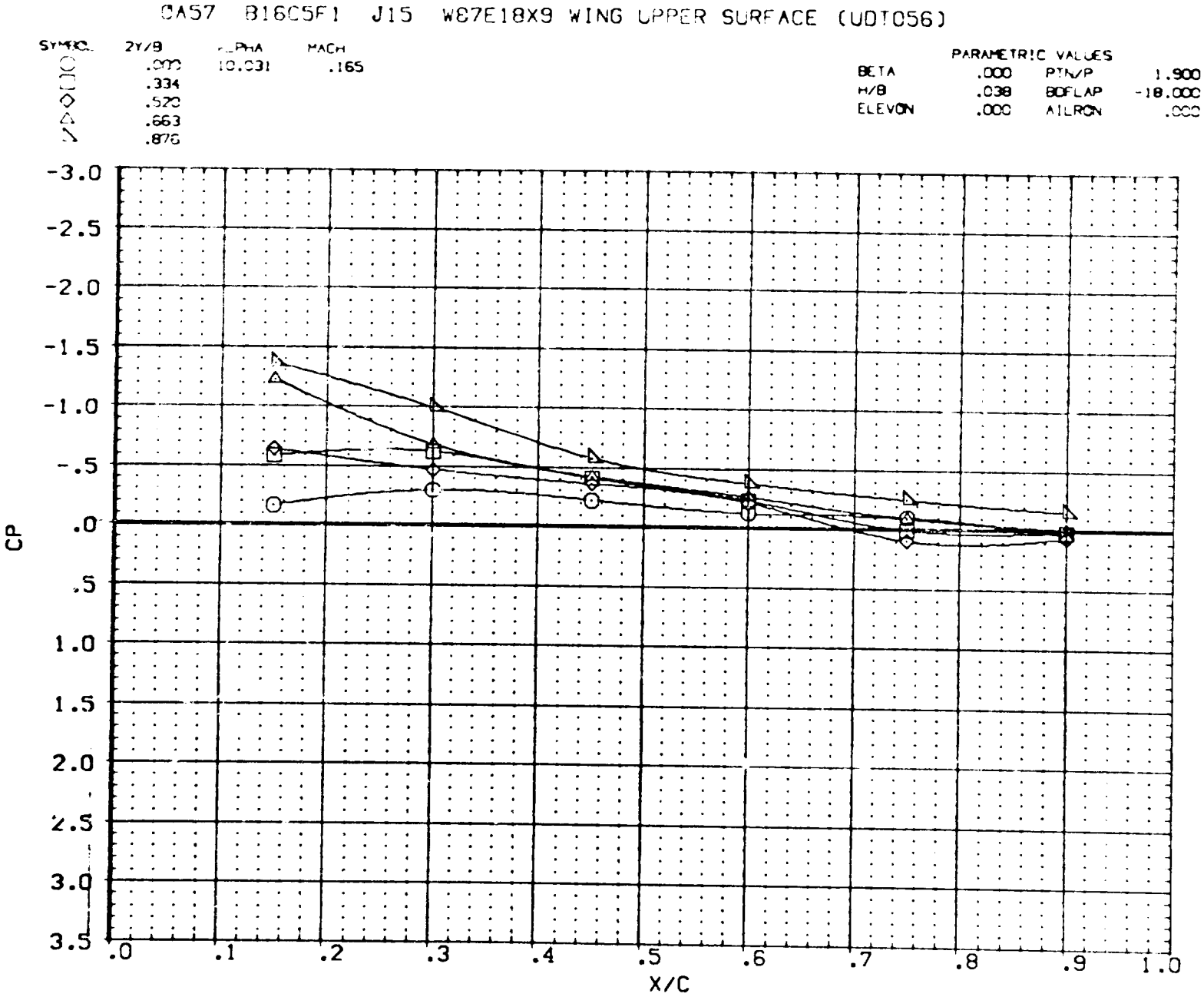


FIG 34 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.038, ELEVON= 0

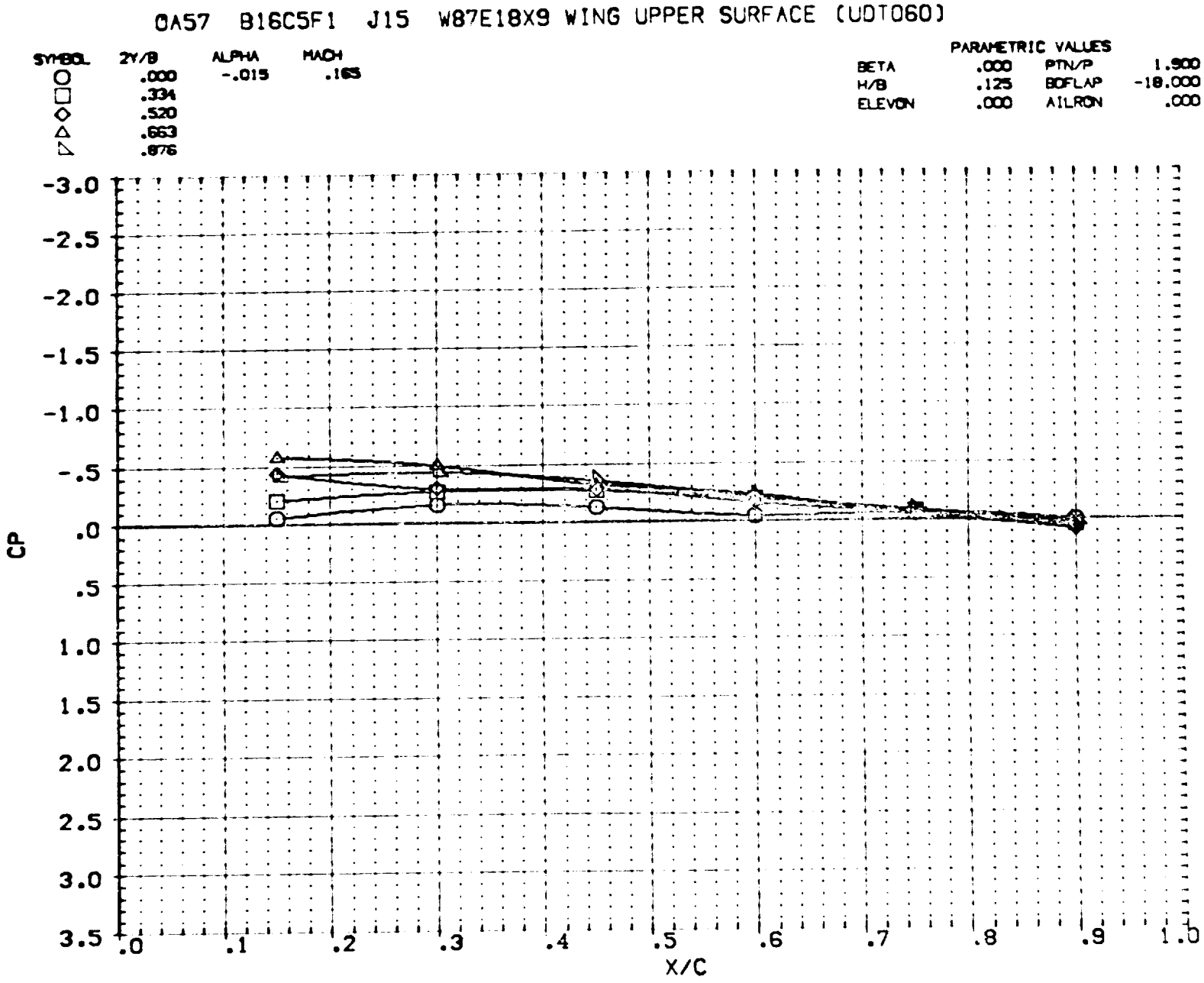


FIG 35 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

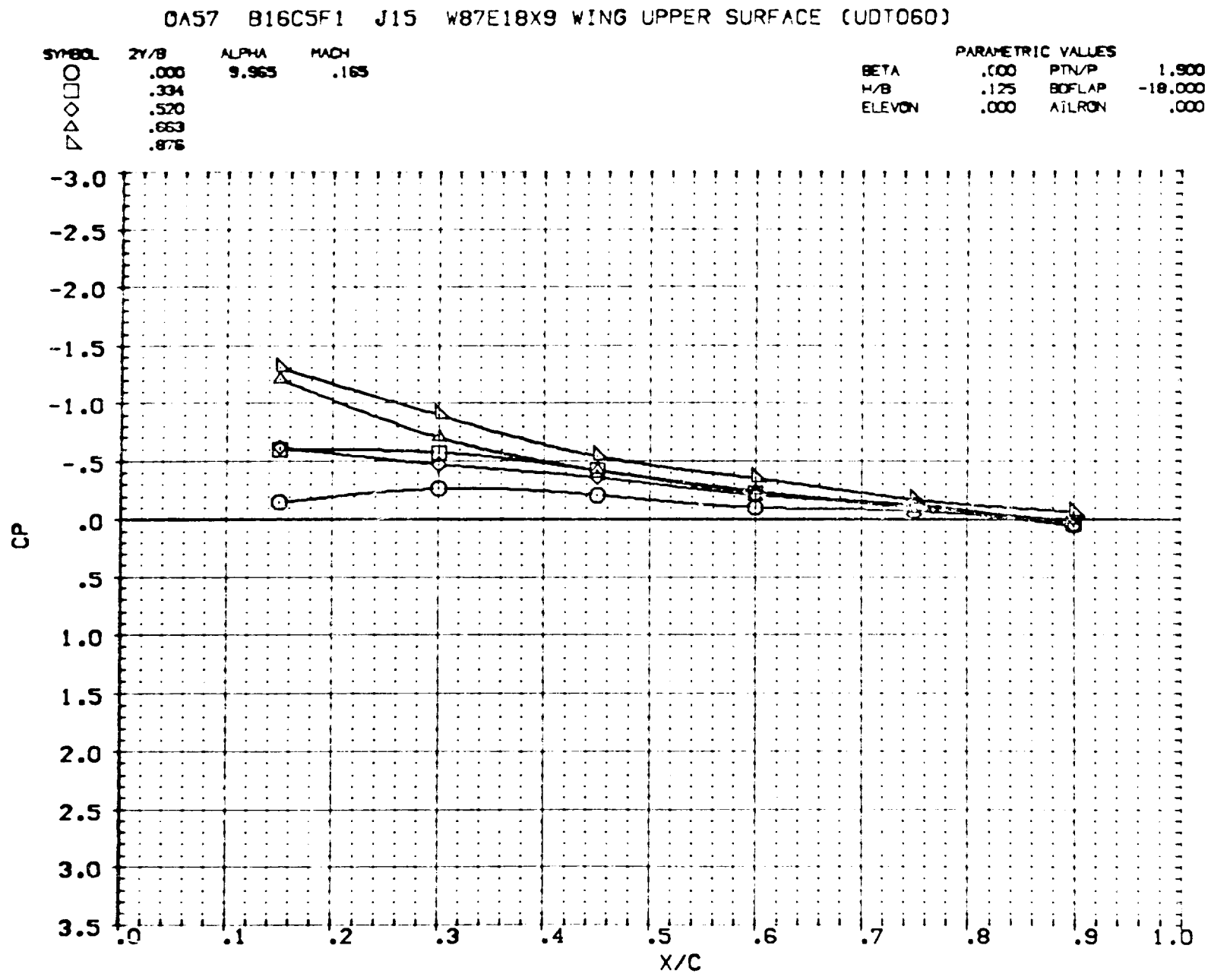


FIG 35 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

0A57 B15C5F1 J15 W87E18X9 WING UPPER SURFACE (UDT034)

SYMBOL	ZY/B	ALPHA	MACH
○	.000	.000	.165
□	.334		
◇	.520		
△	.663		
◁	.876		

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-10.000
ELEVON	.000	AILRON	.000

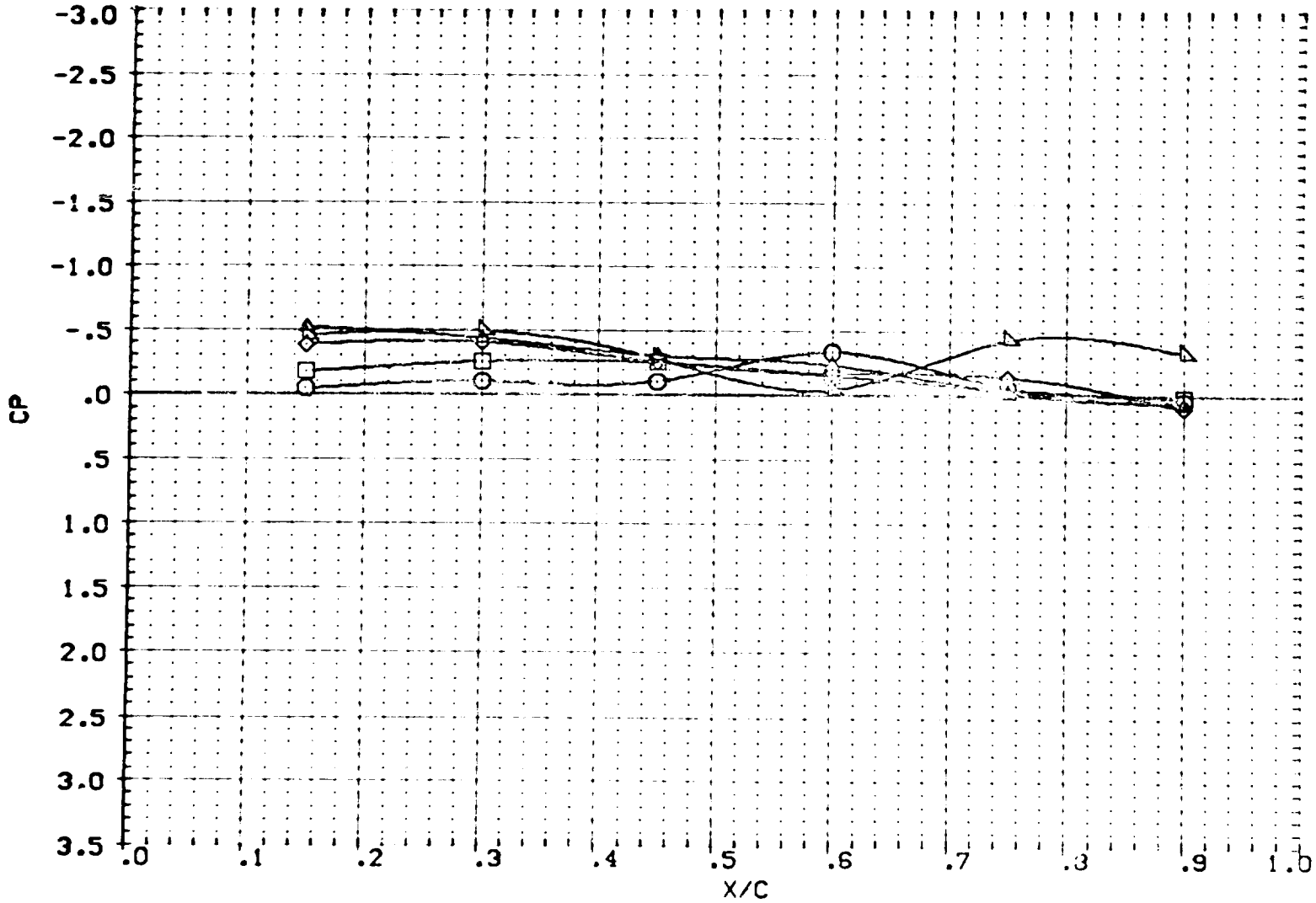


FIG 36 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 0

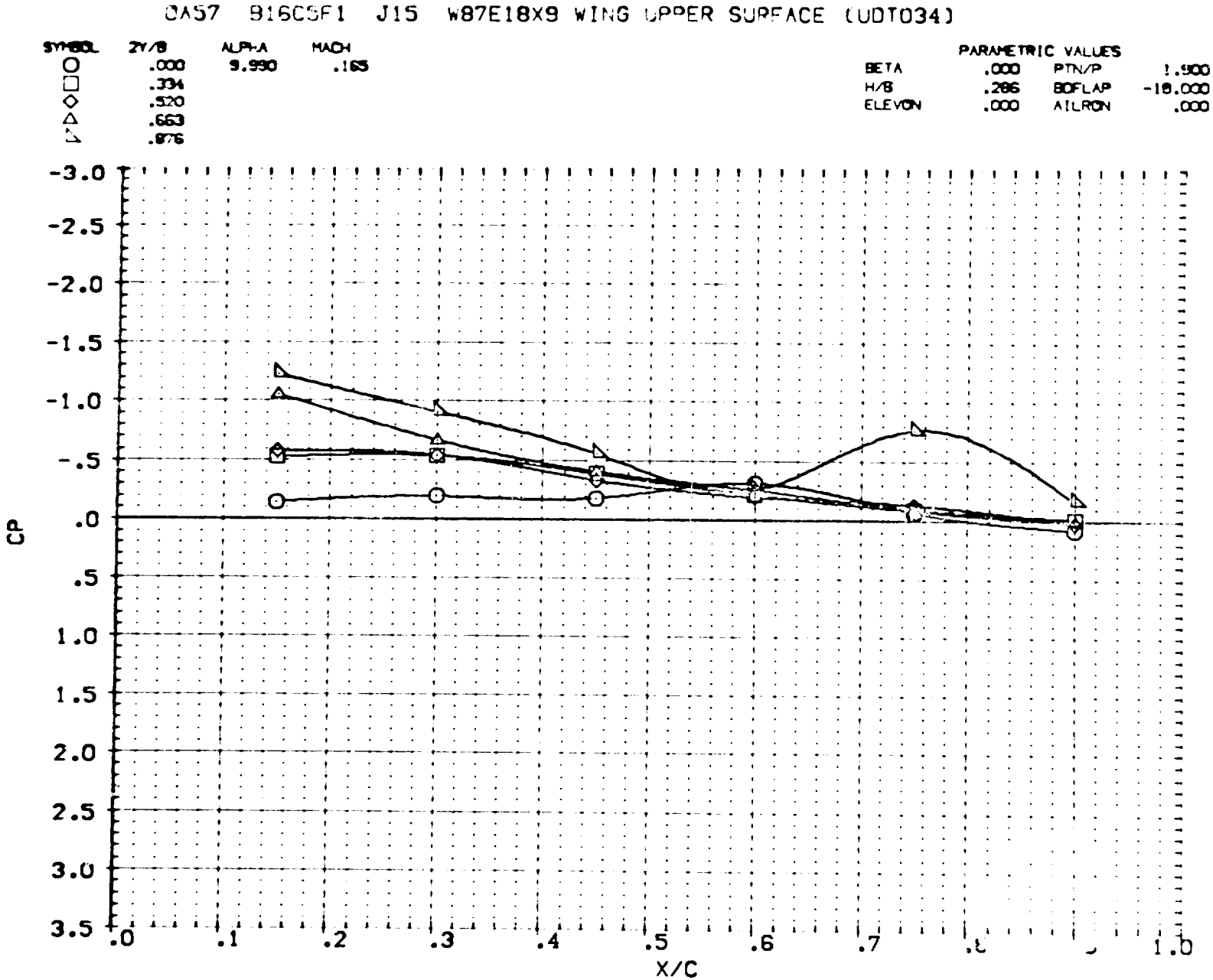


FIG 36 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 0

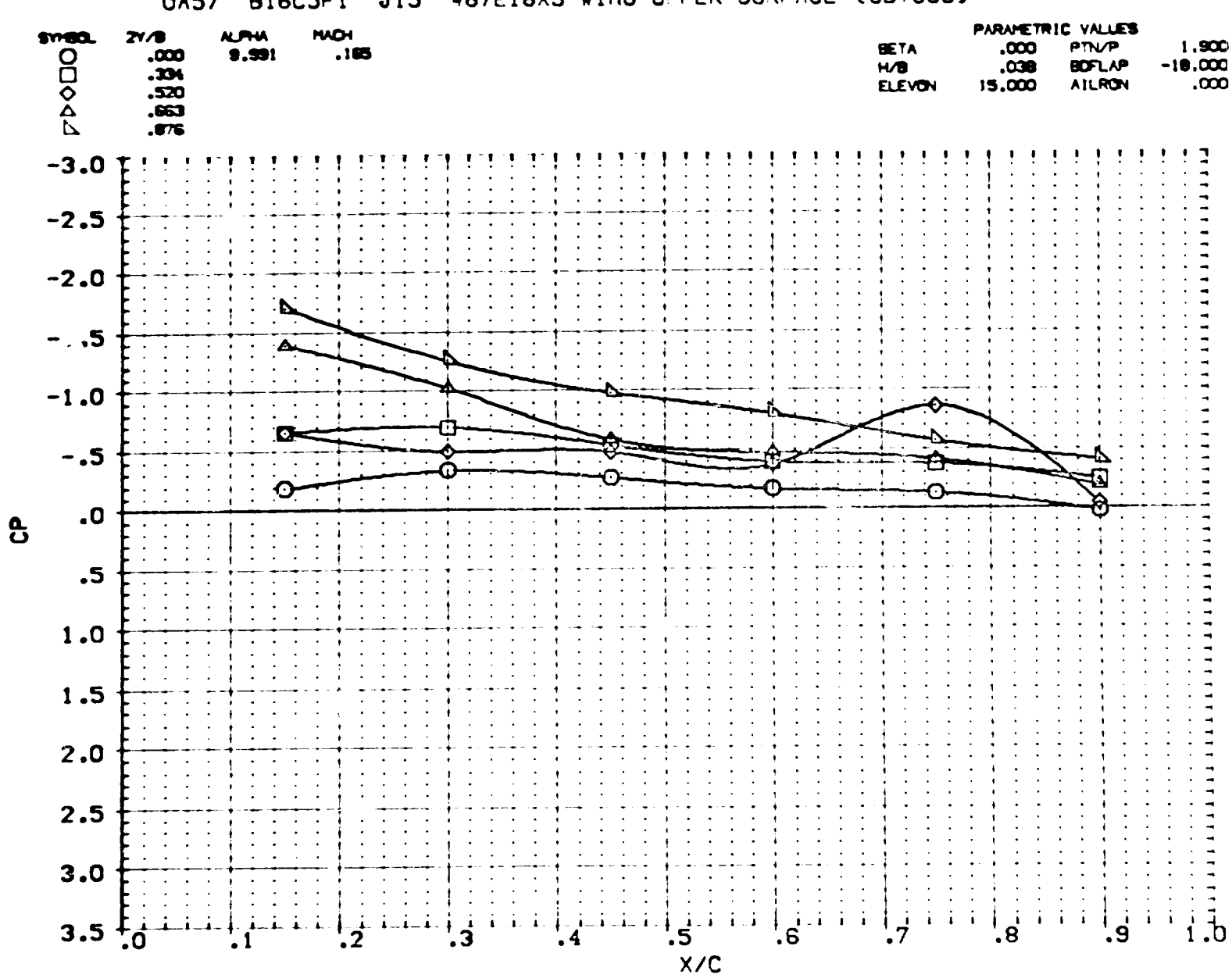


FIG 37 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 15

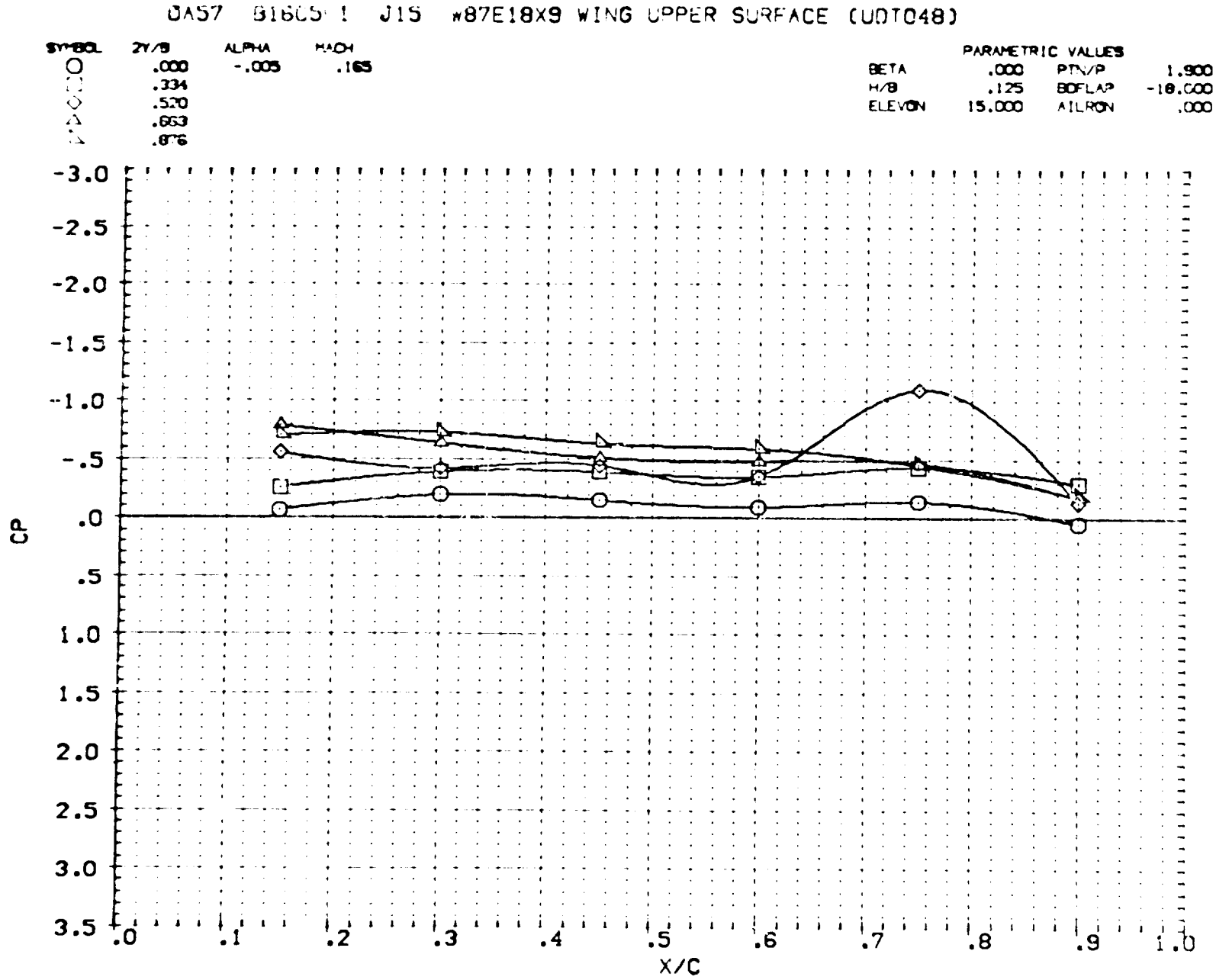


FIG 38 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 15

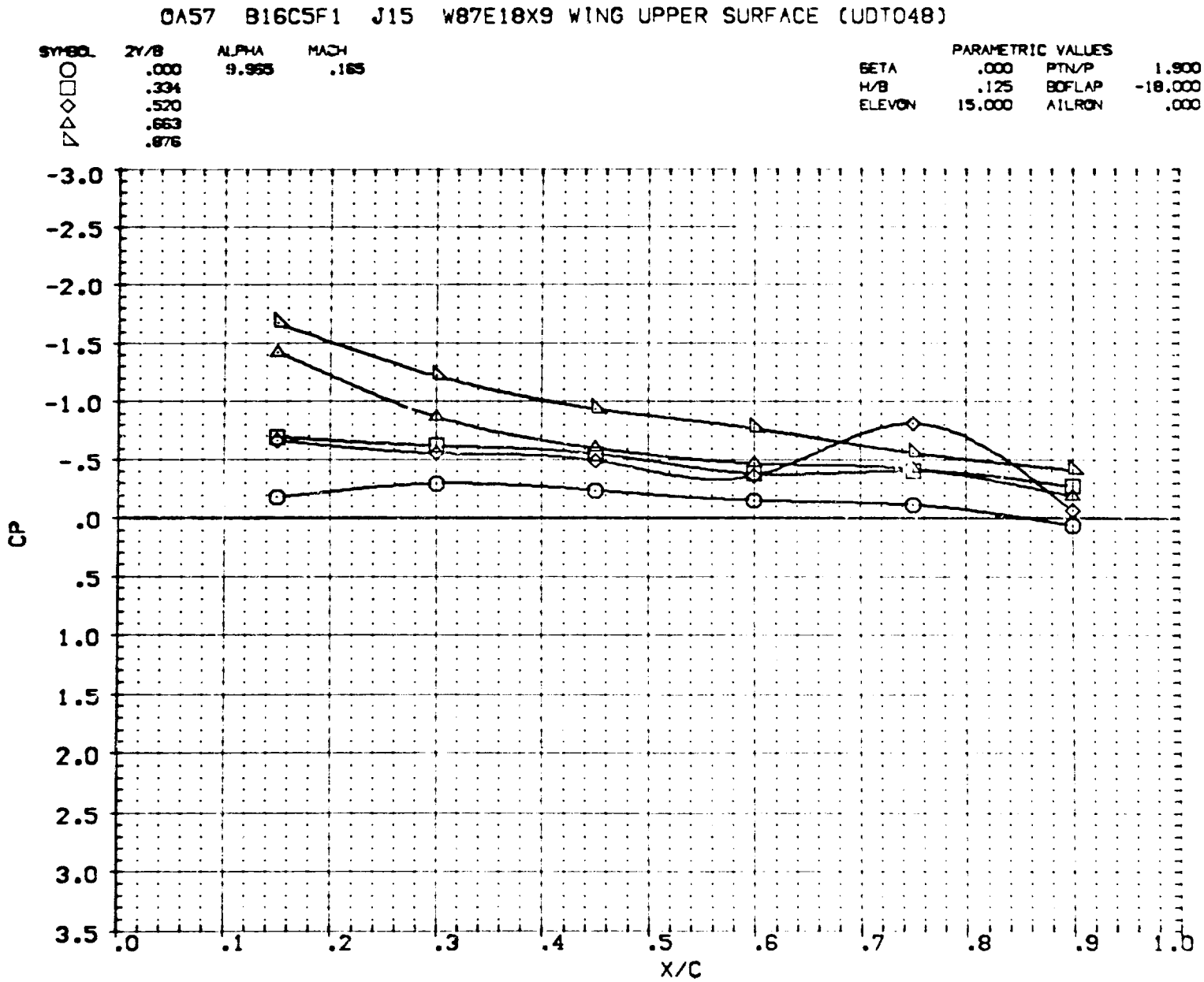


FIG 38 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 15

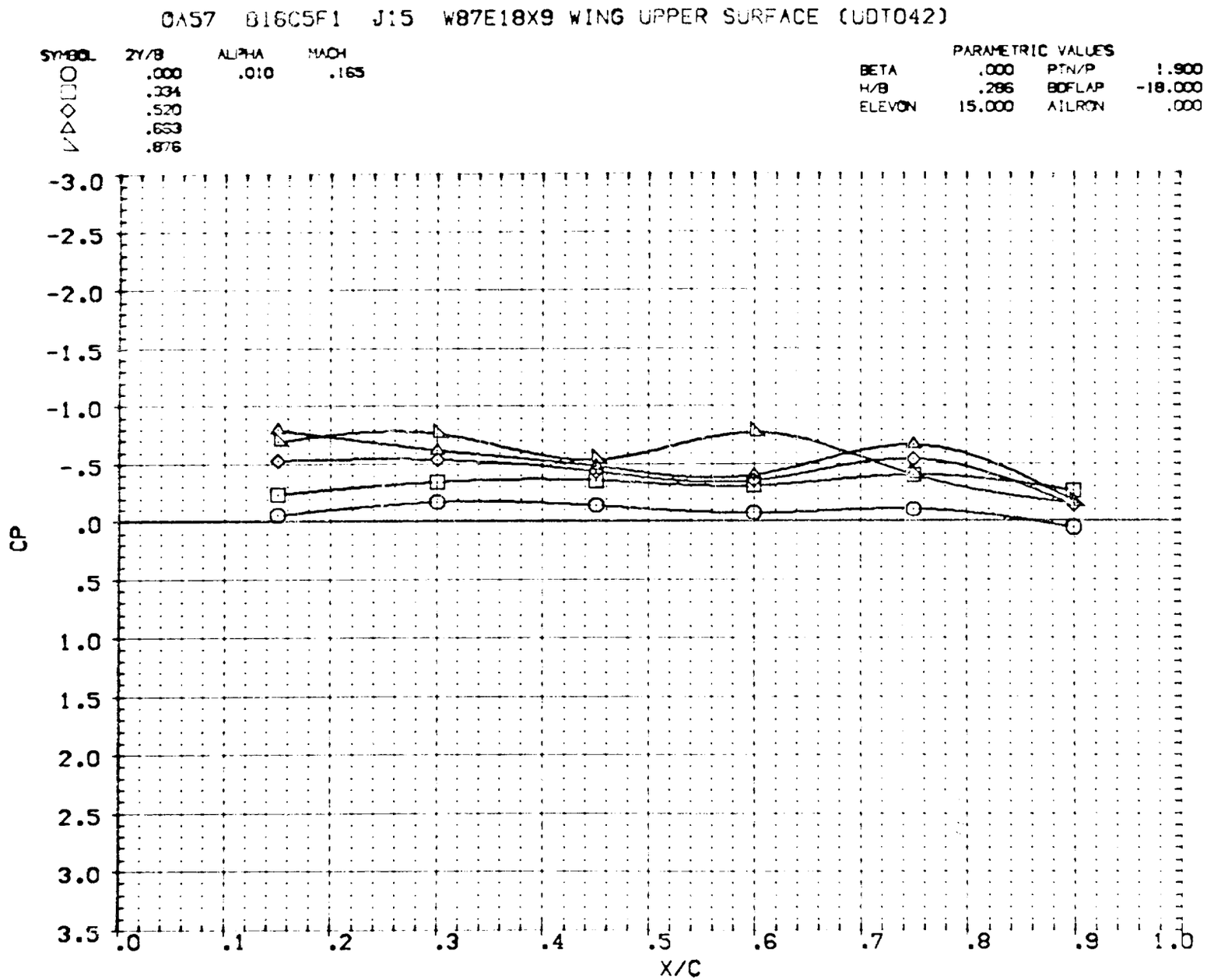


FIG 39 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 15

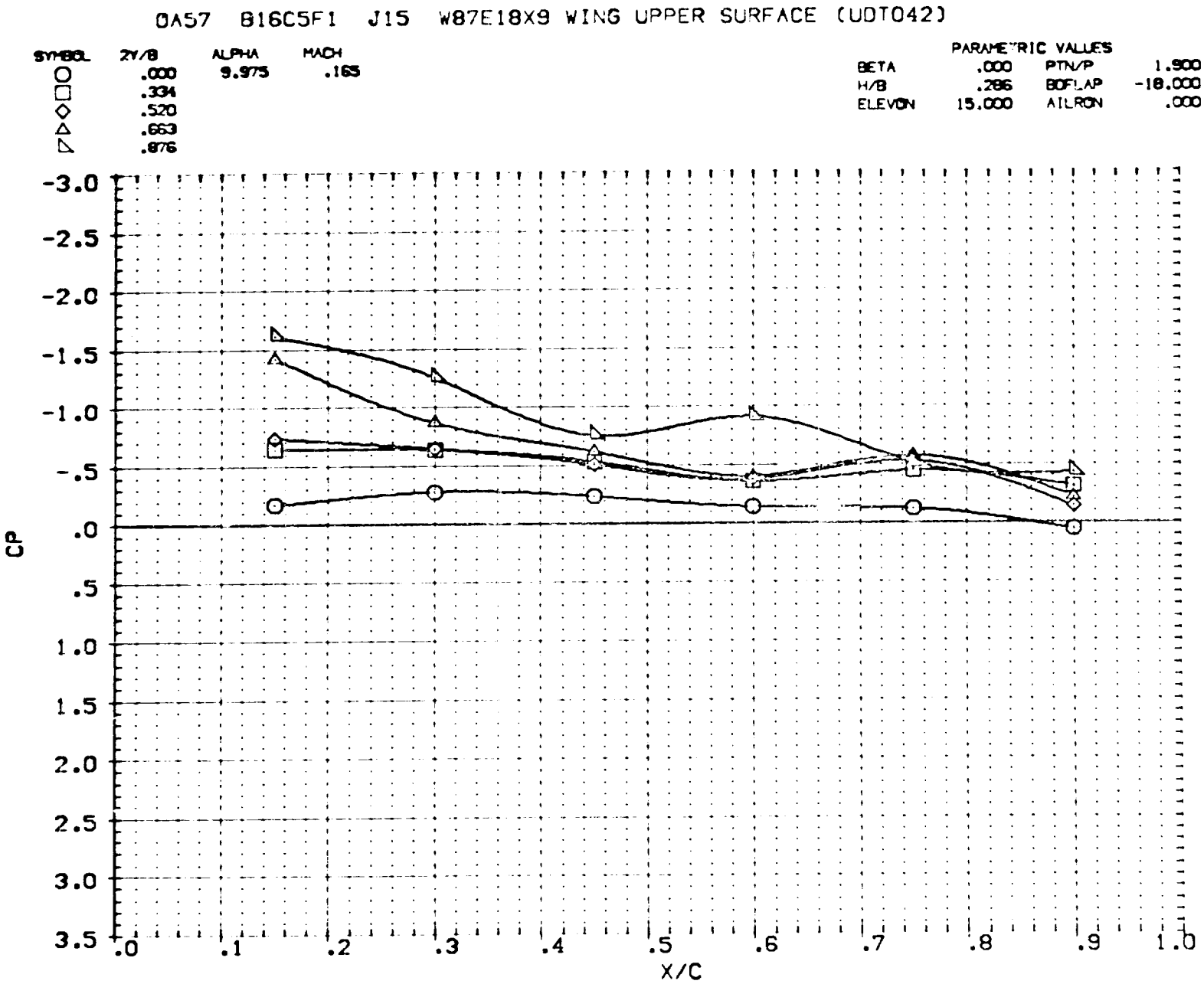


FIG 39 WING UPPER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 15

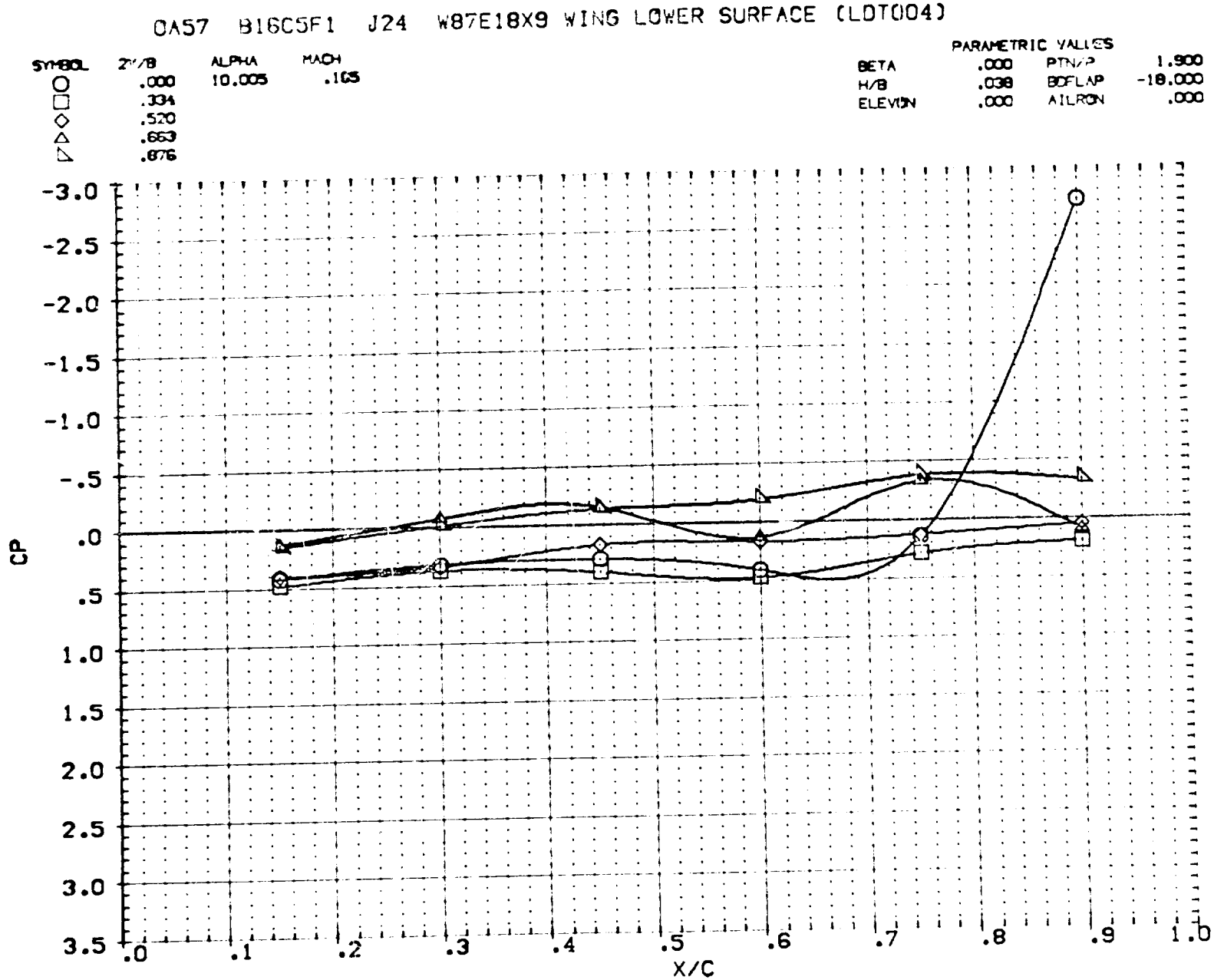


FIG 40 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 0

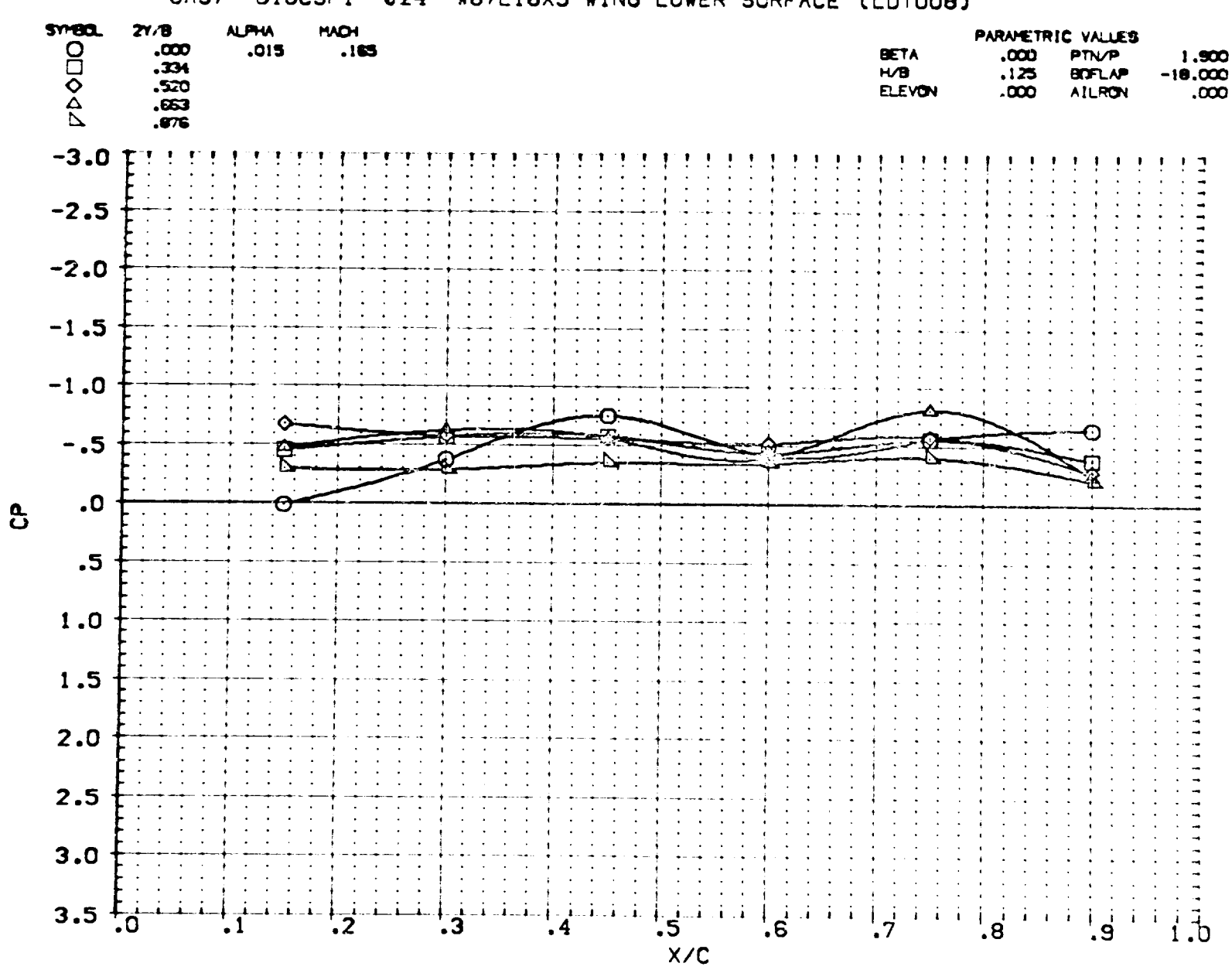


FIG 41 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 0

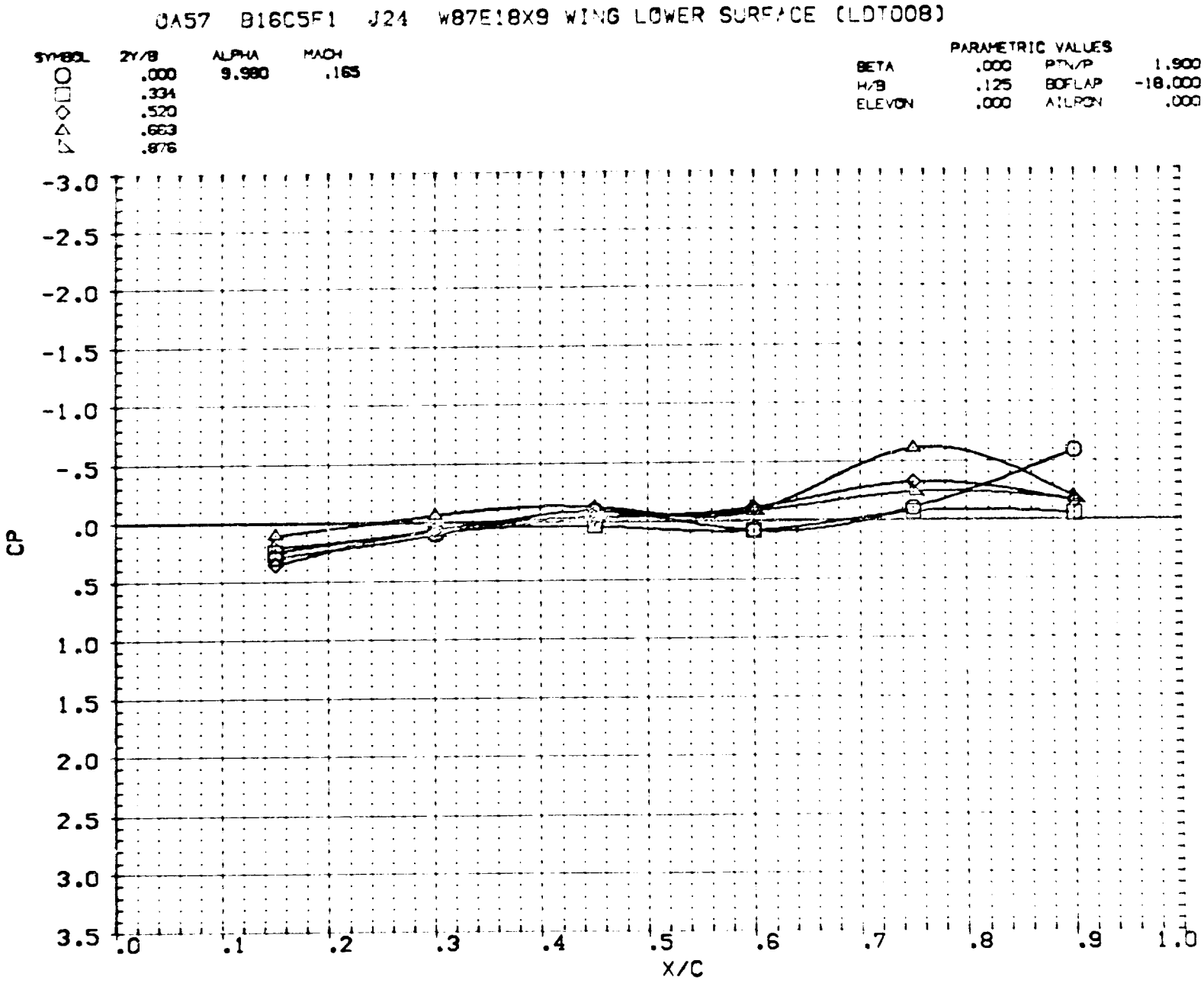


FIG 41 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 0

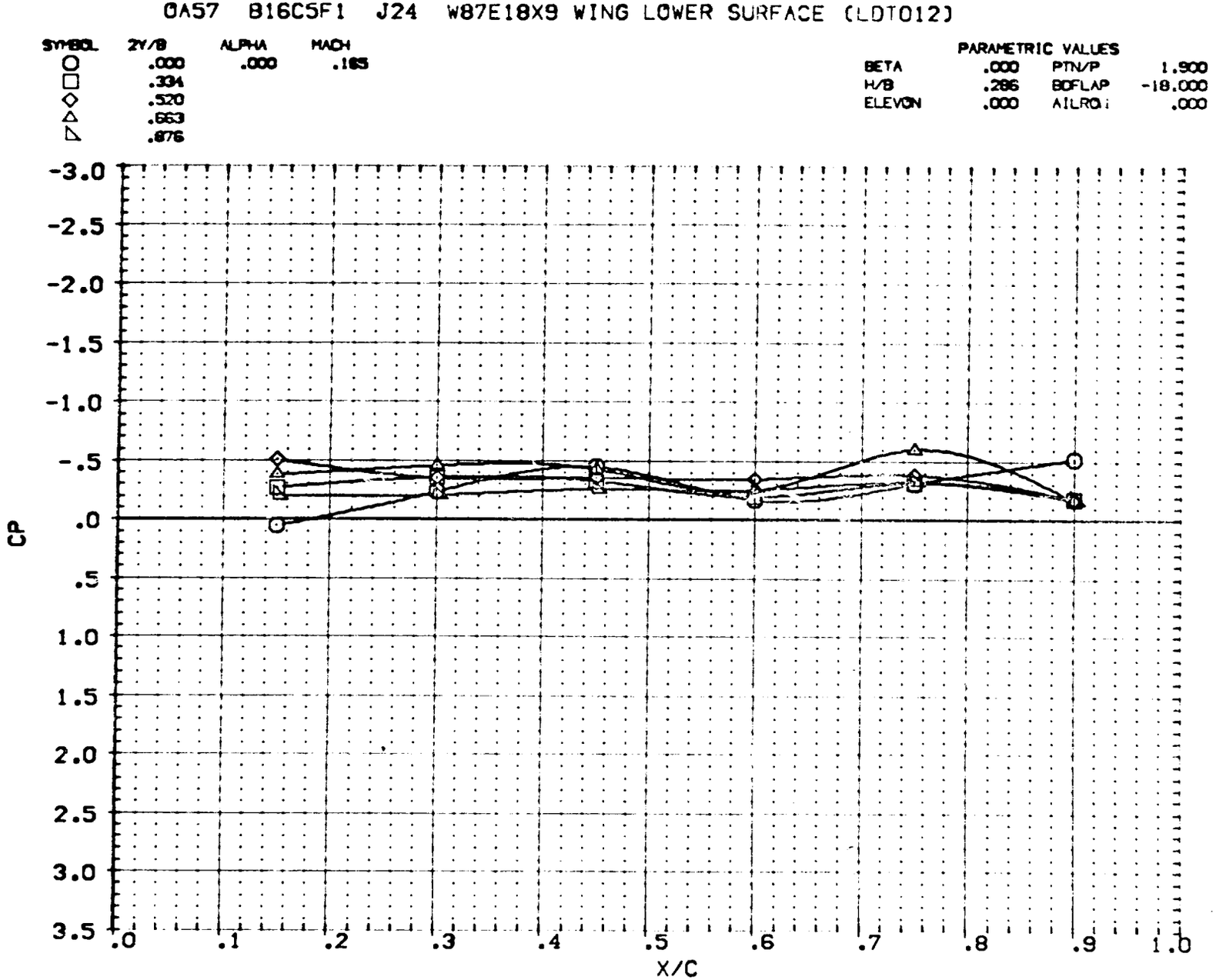


FIG 42 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 0

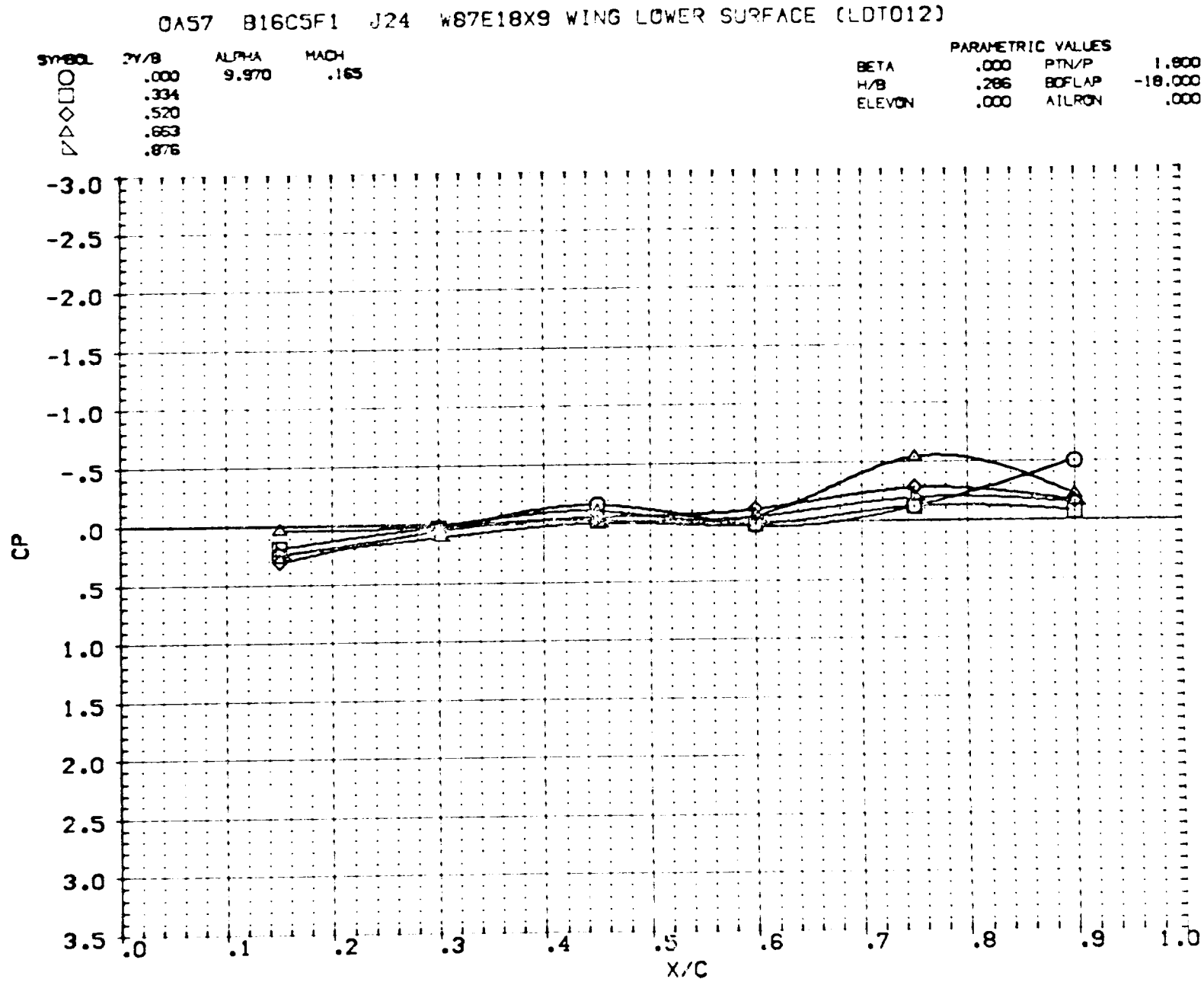


FIG 42 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 0

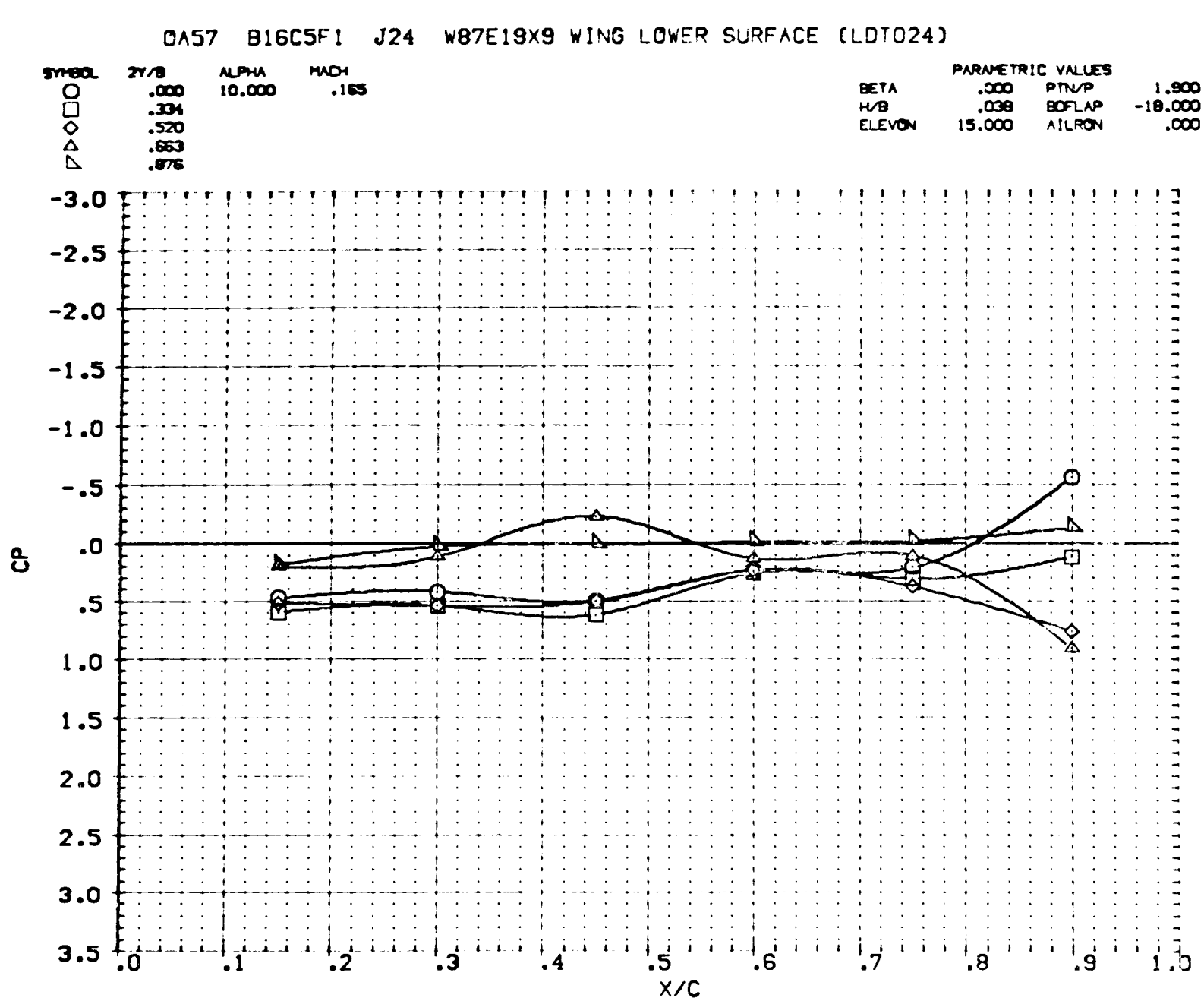


FIG 43 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 15

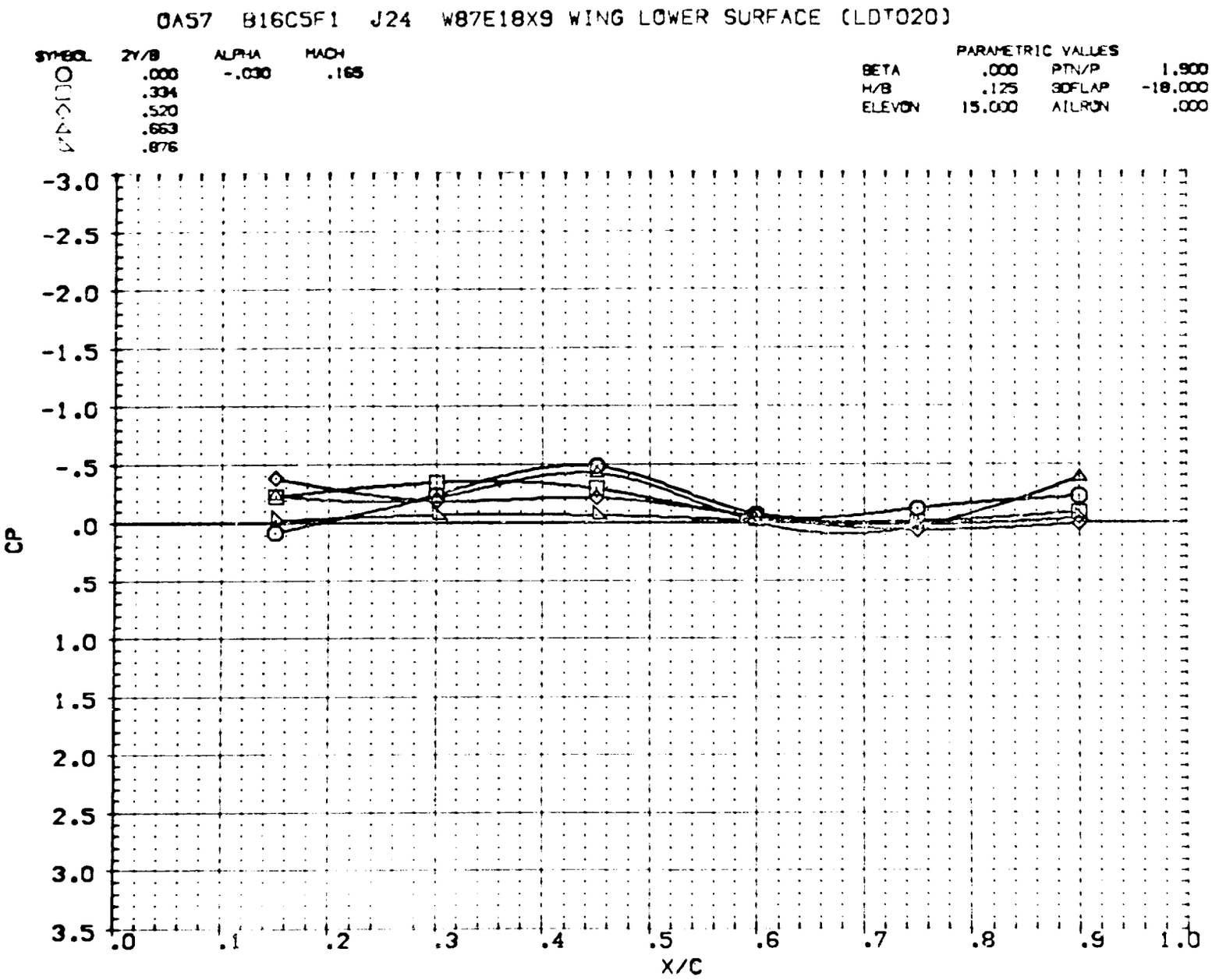


FIG 44 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

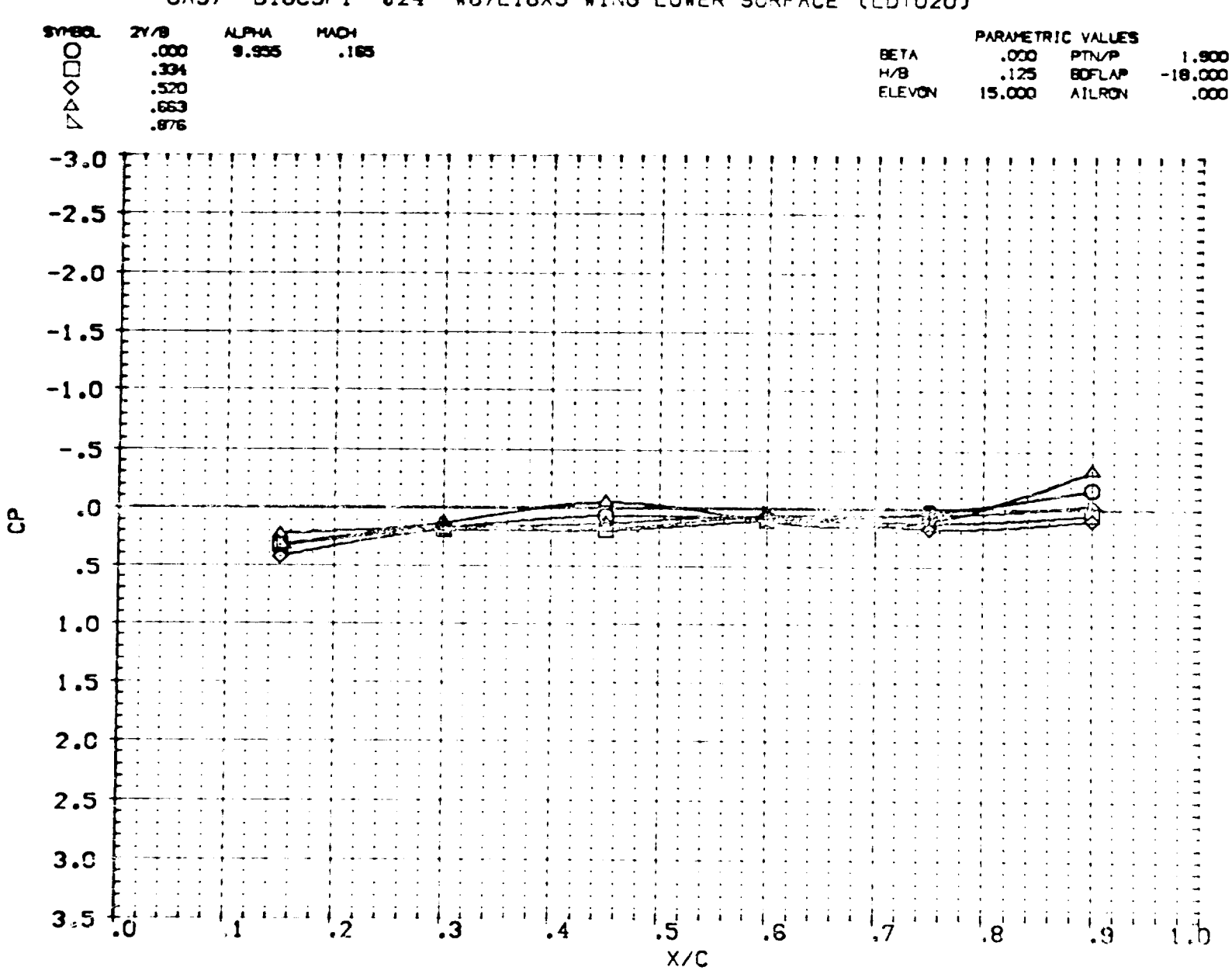


FIG 44 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

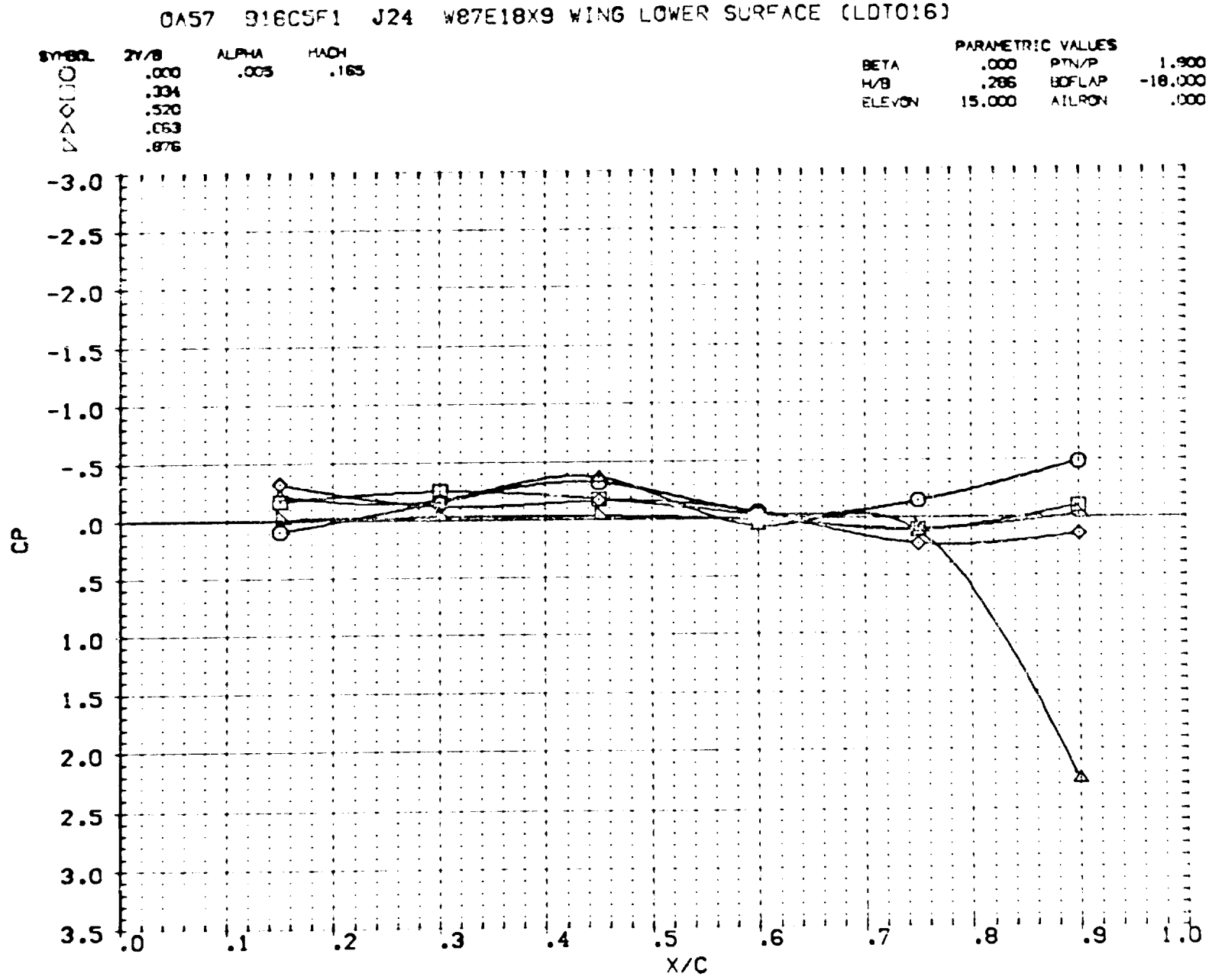


FIG 45 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

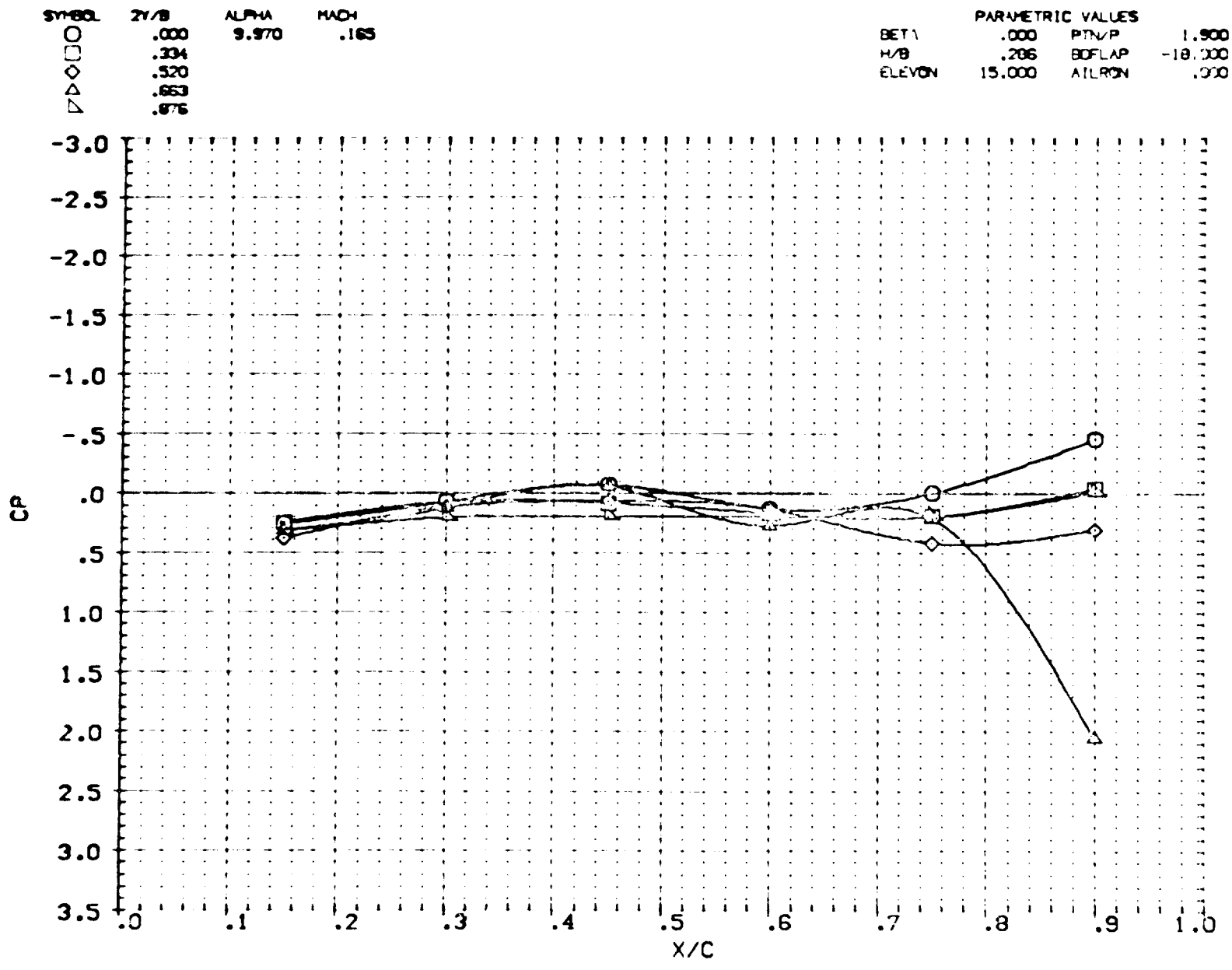


FIG 45 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

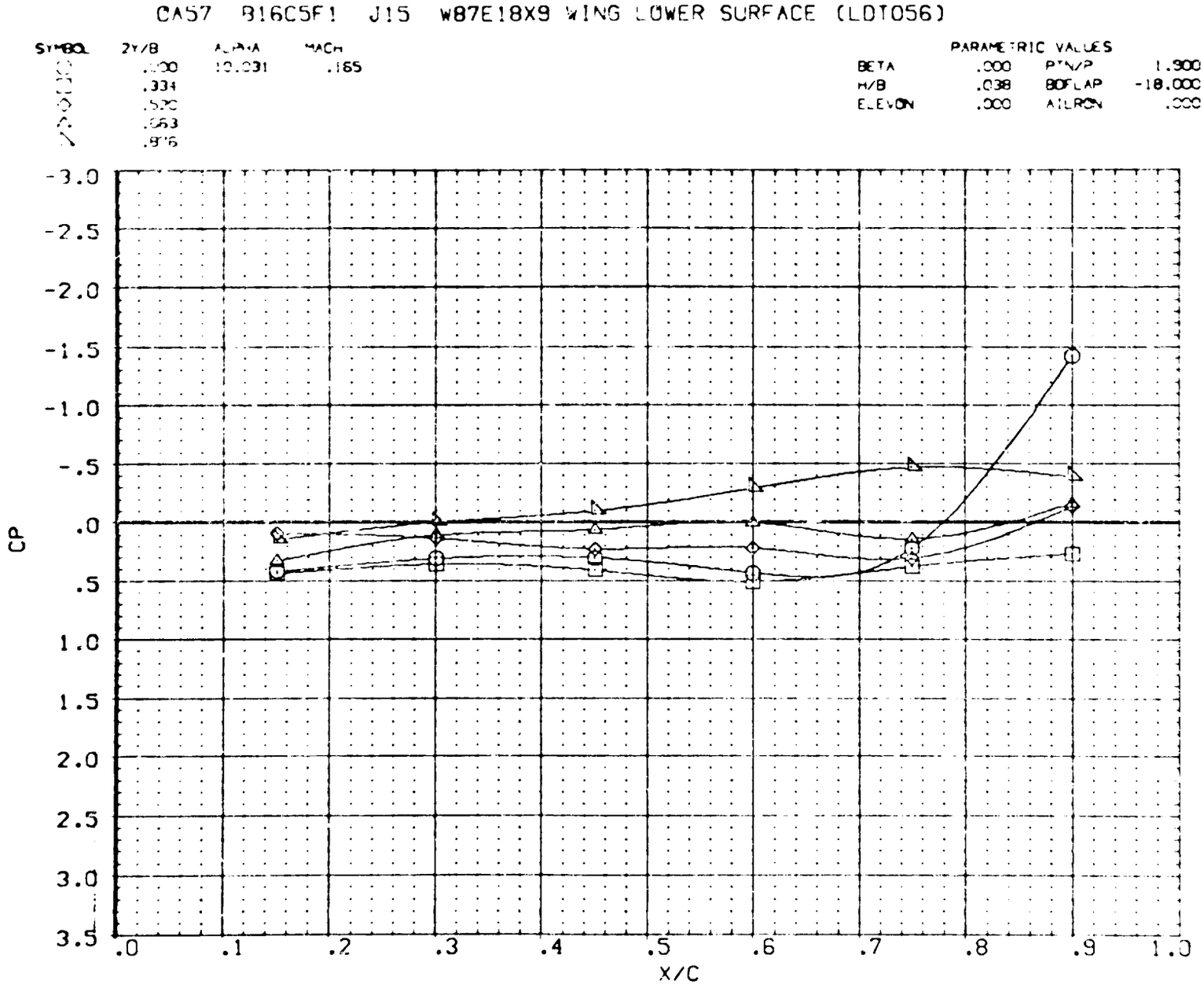


FIG 46 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.038, ELEVON= 0

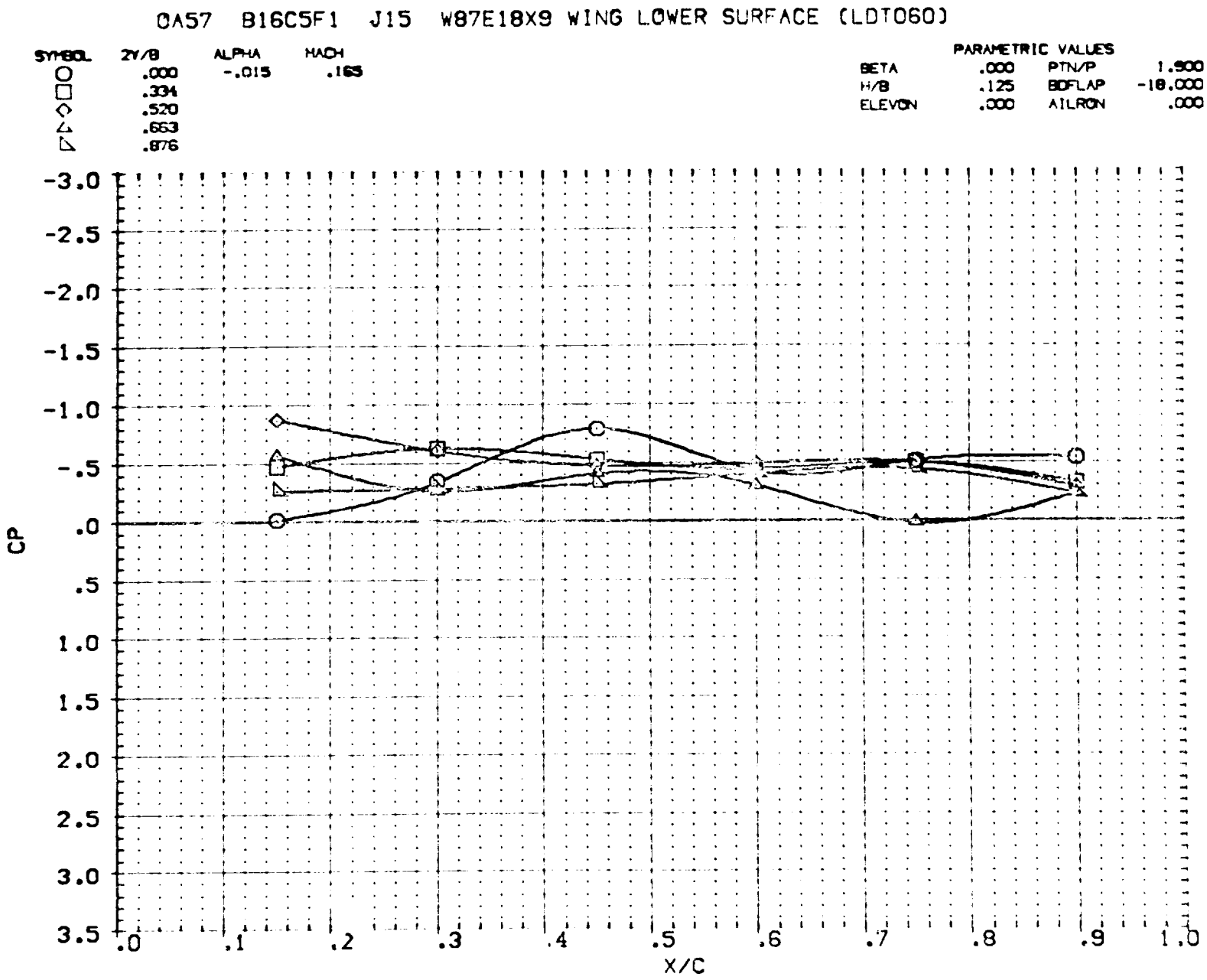


FIG 47 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

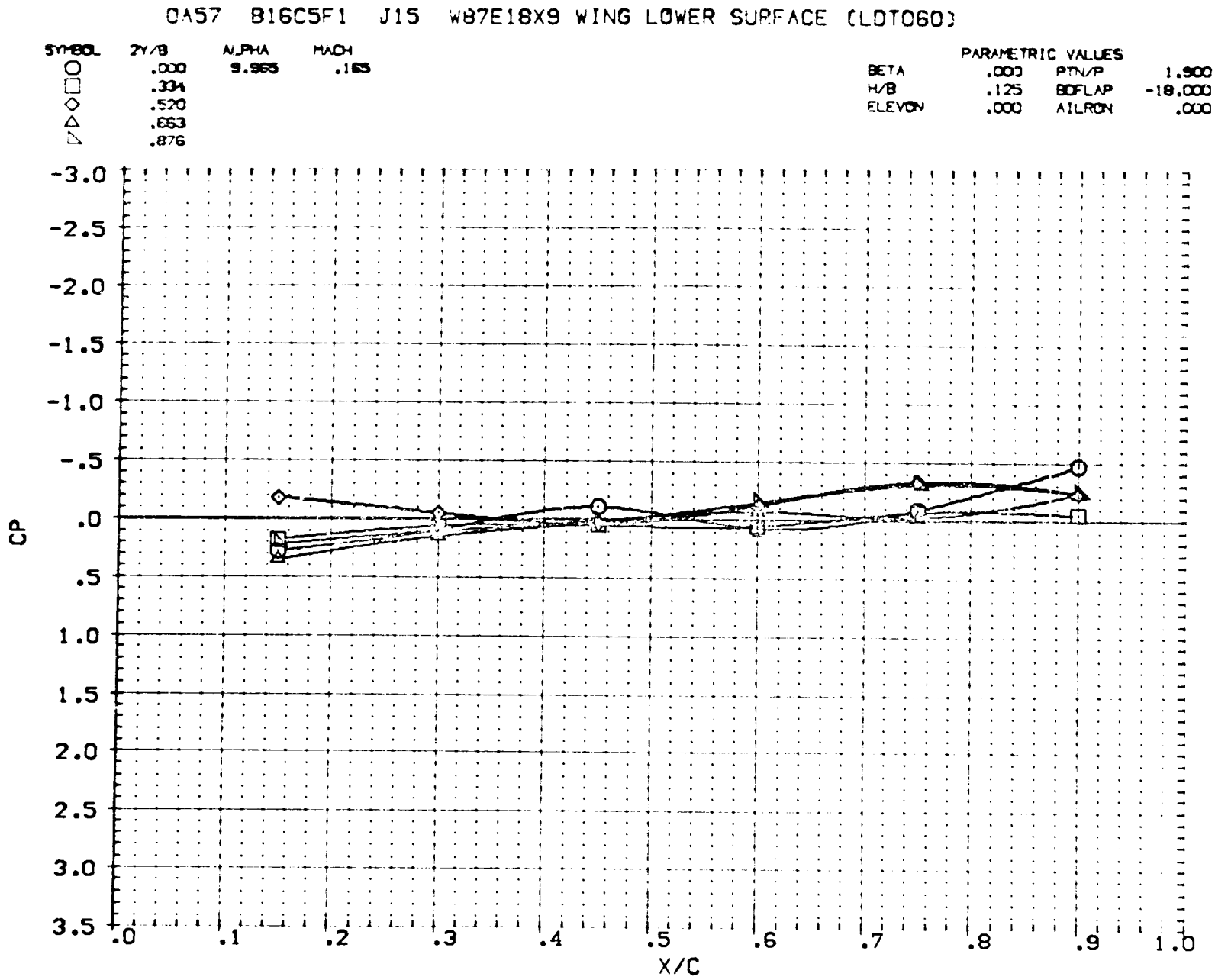


FIG 47 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

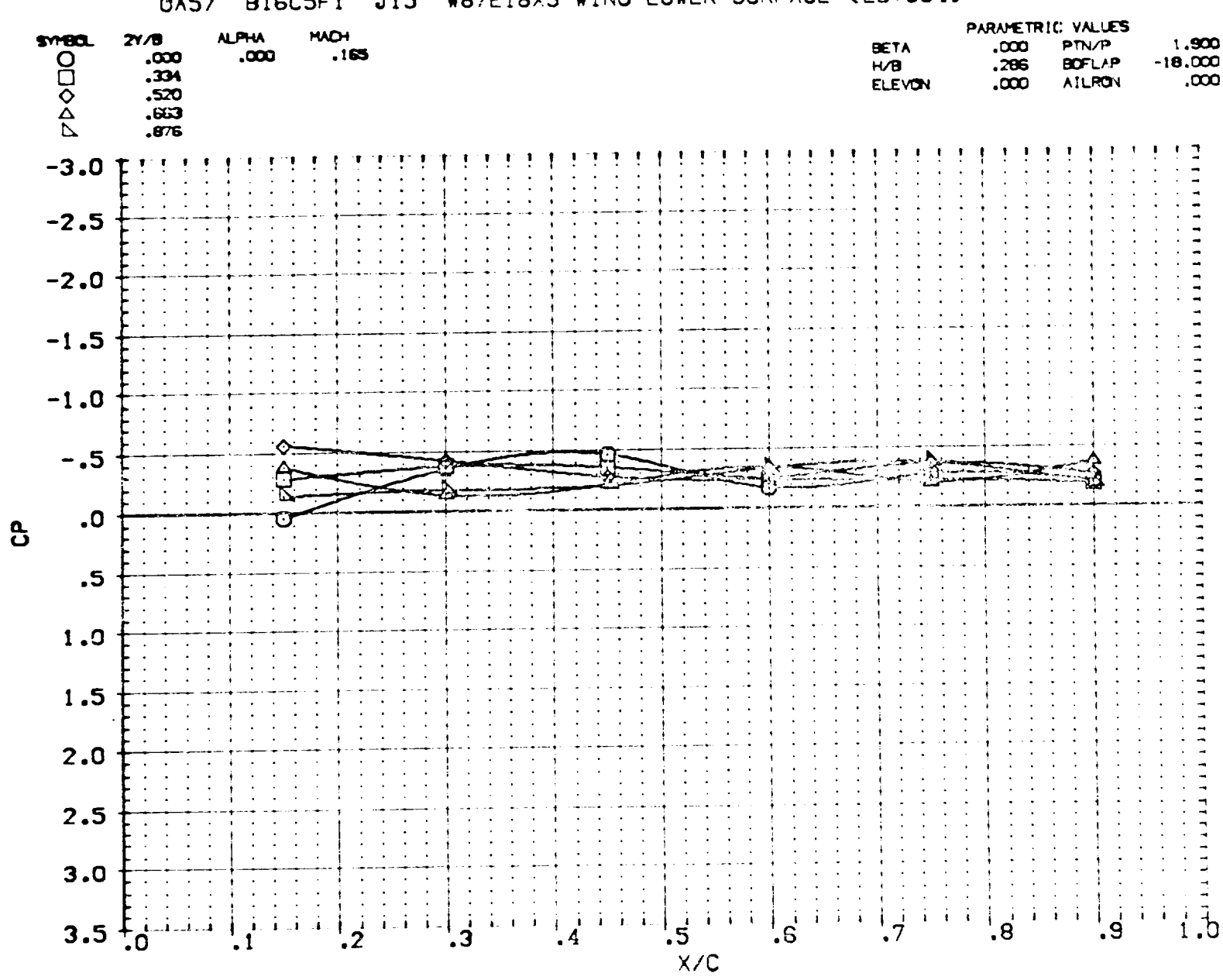


FIG 48 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 0

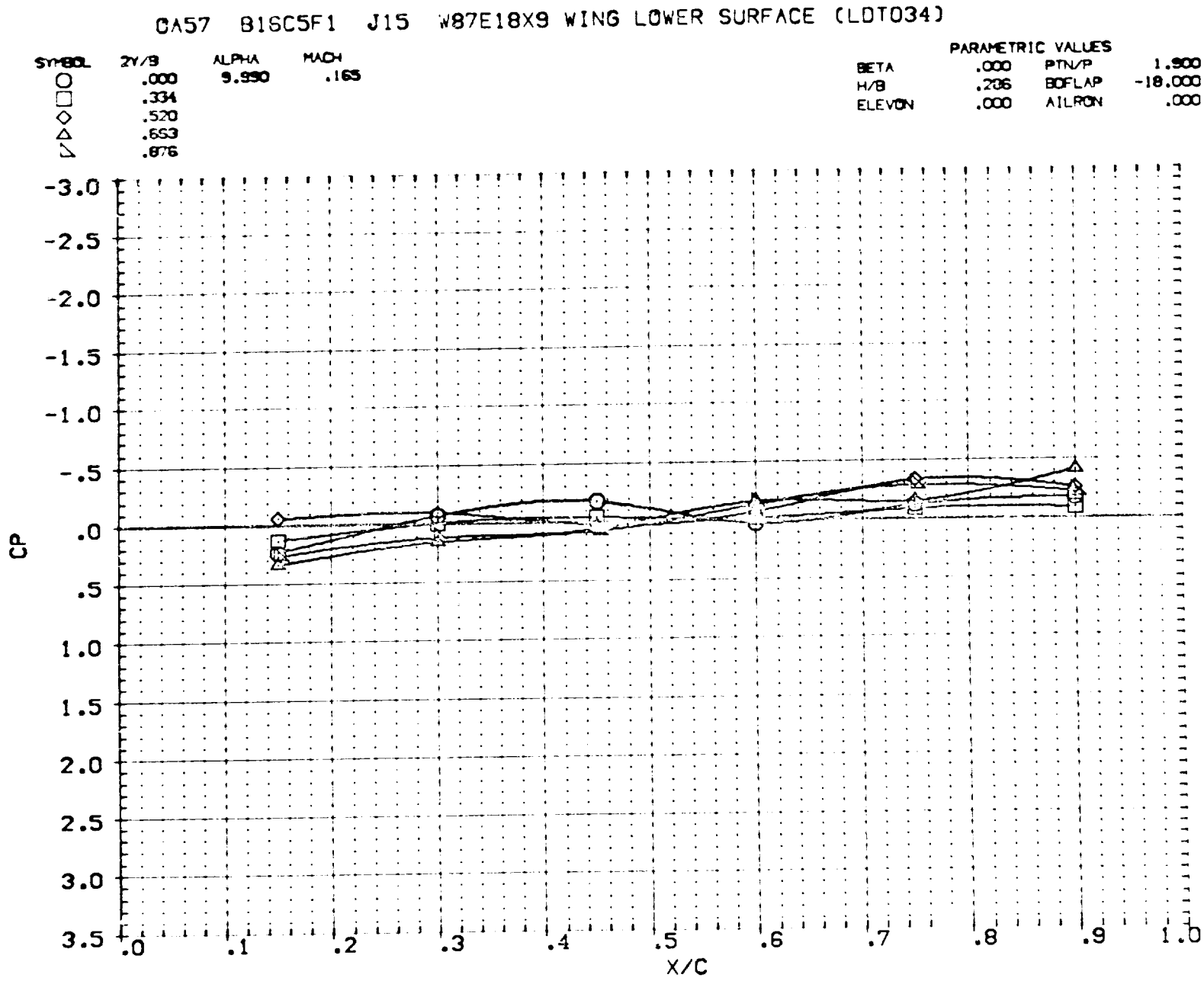


FIG 48 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 0

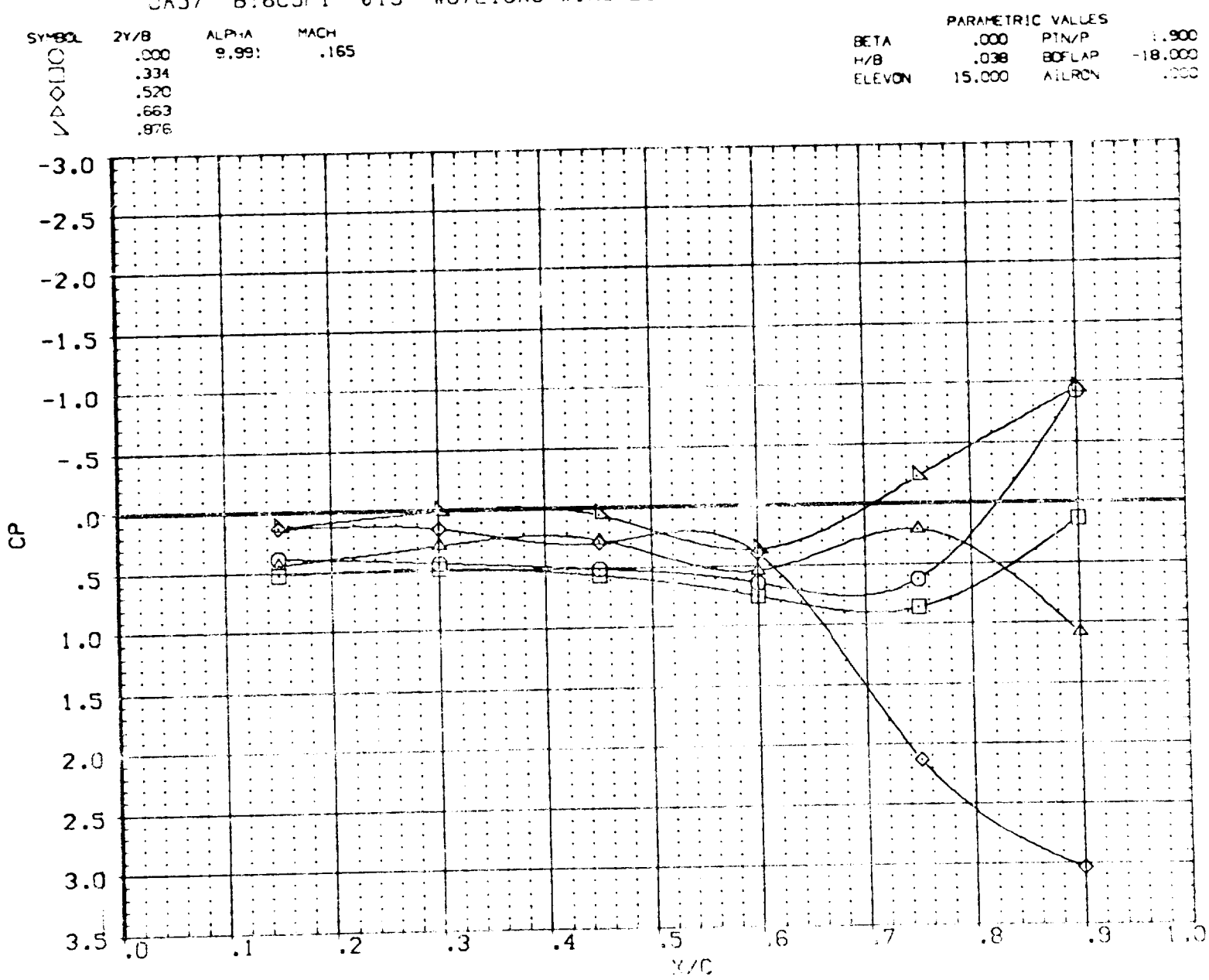


FIG 49 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.038, ELEVON=15

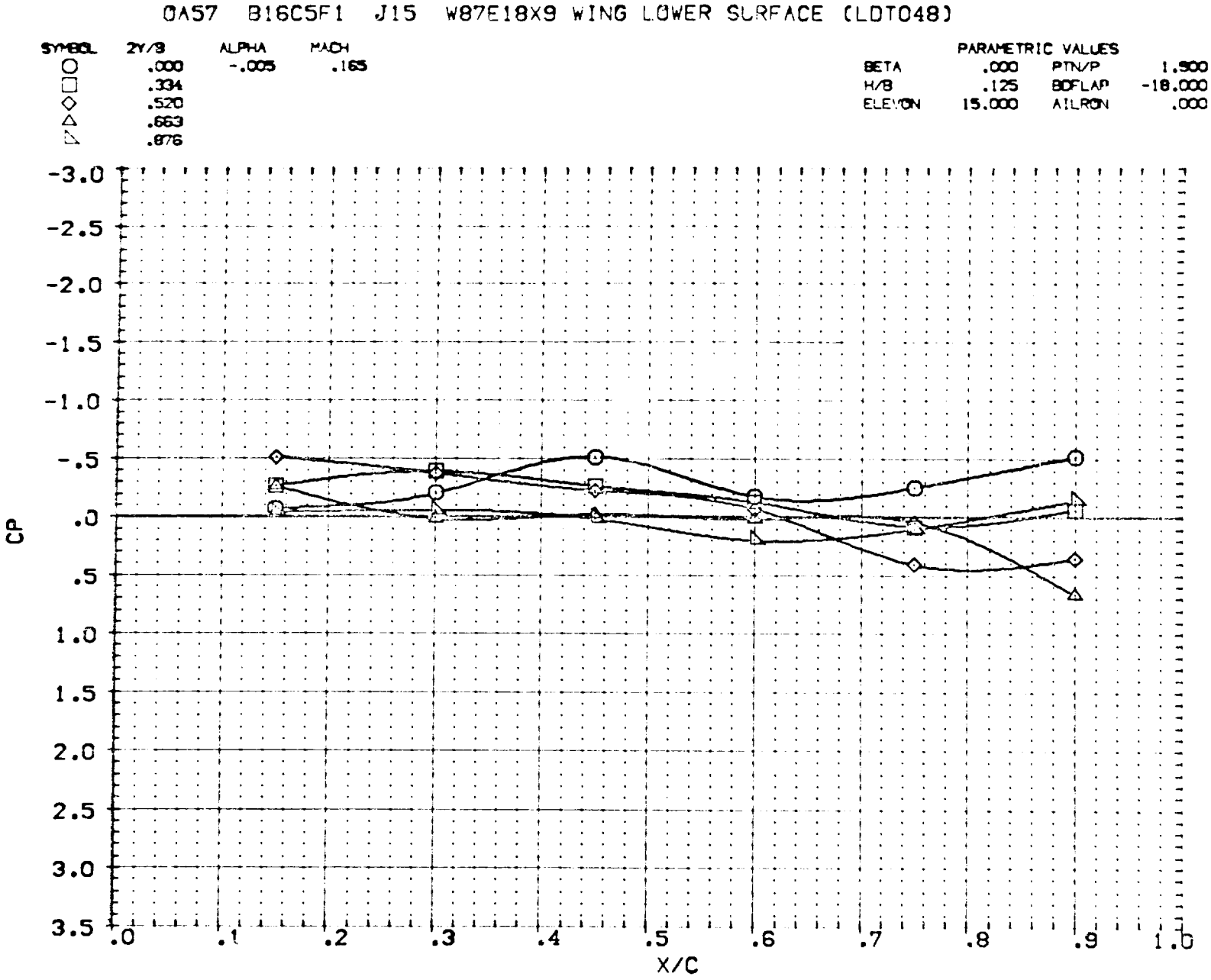


FIG 50 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 15

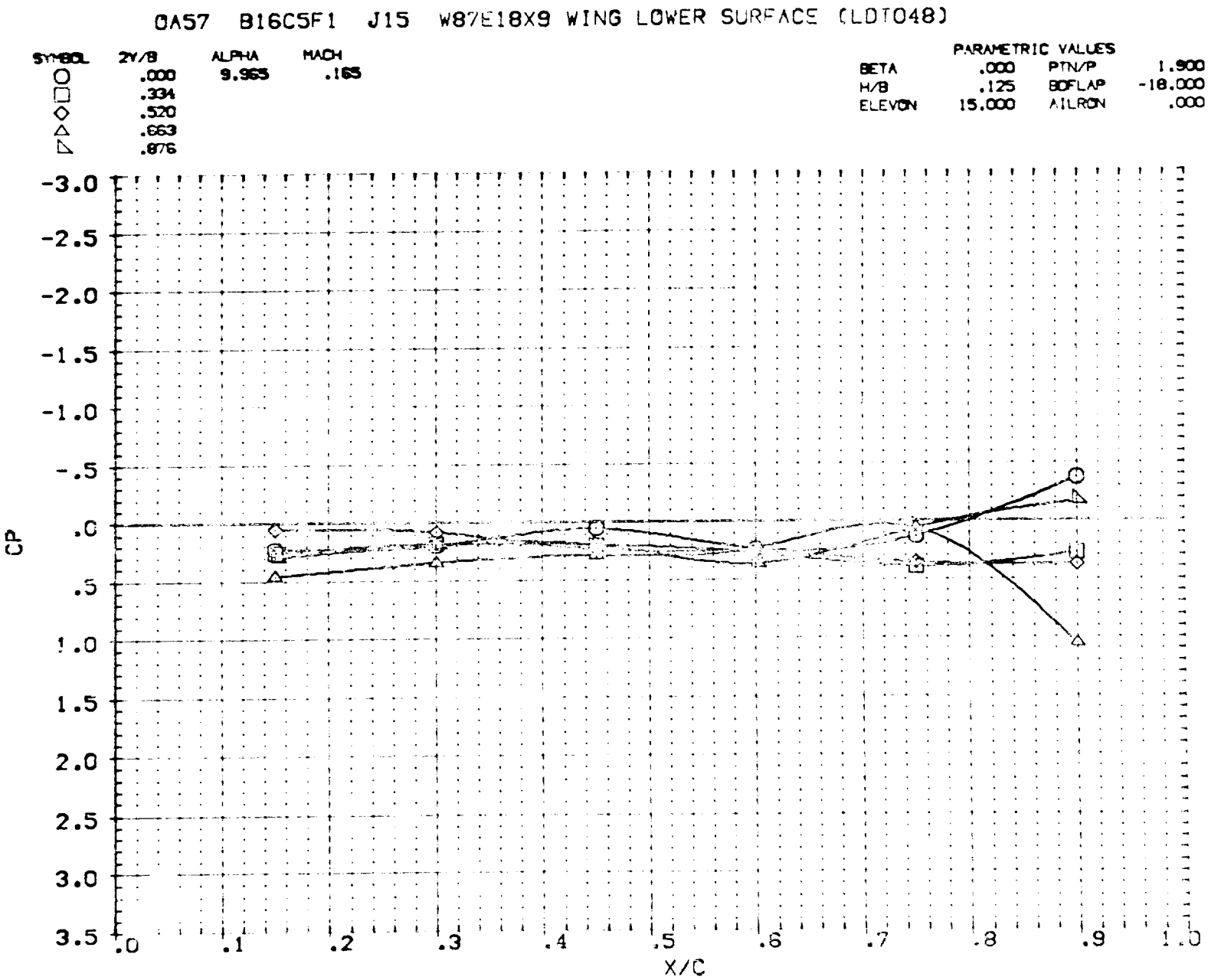


FIG 50 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON=15

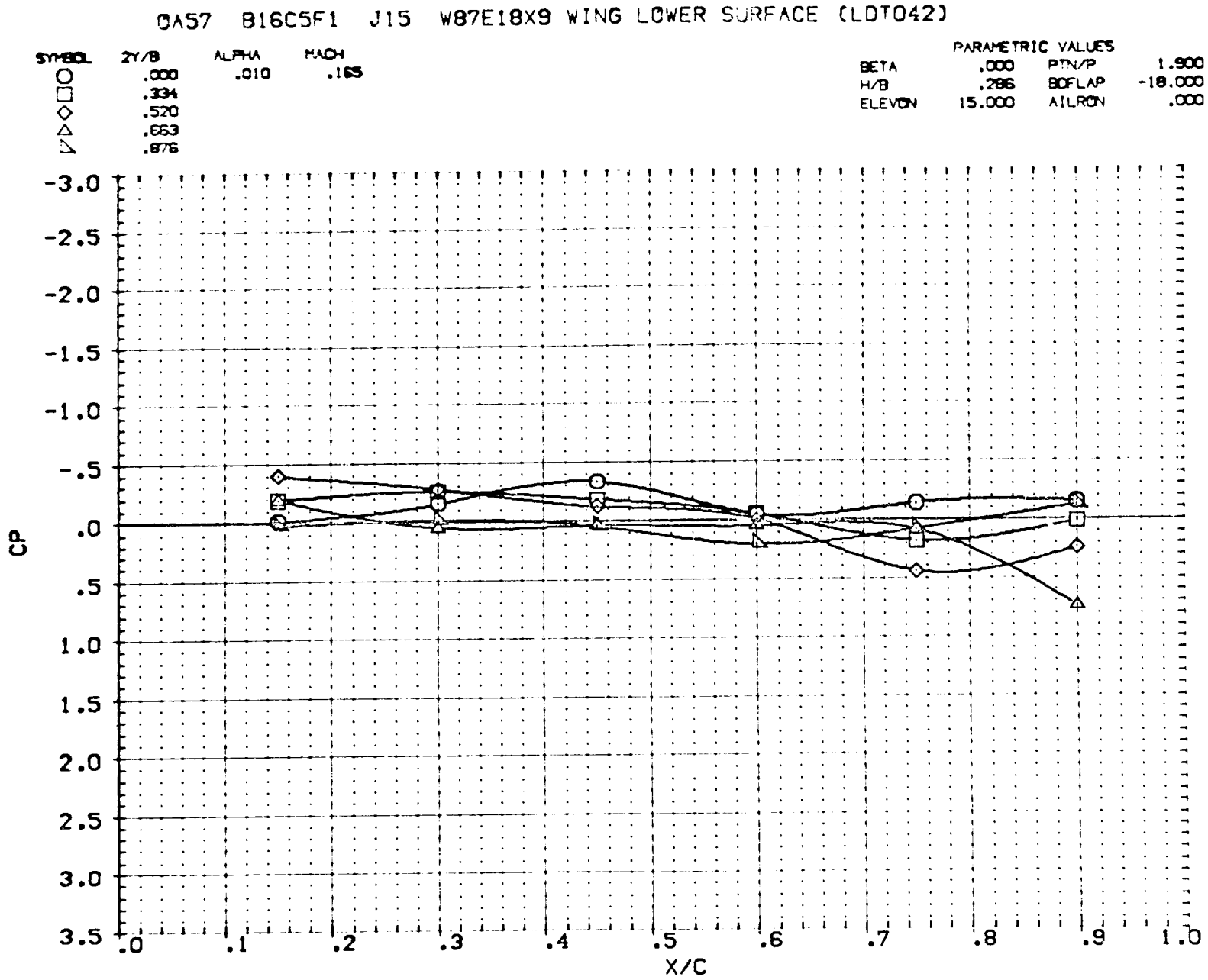


FIG 51 WING LOWER SURFACE PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 15

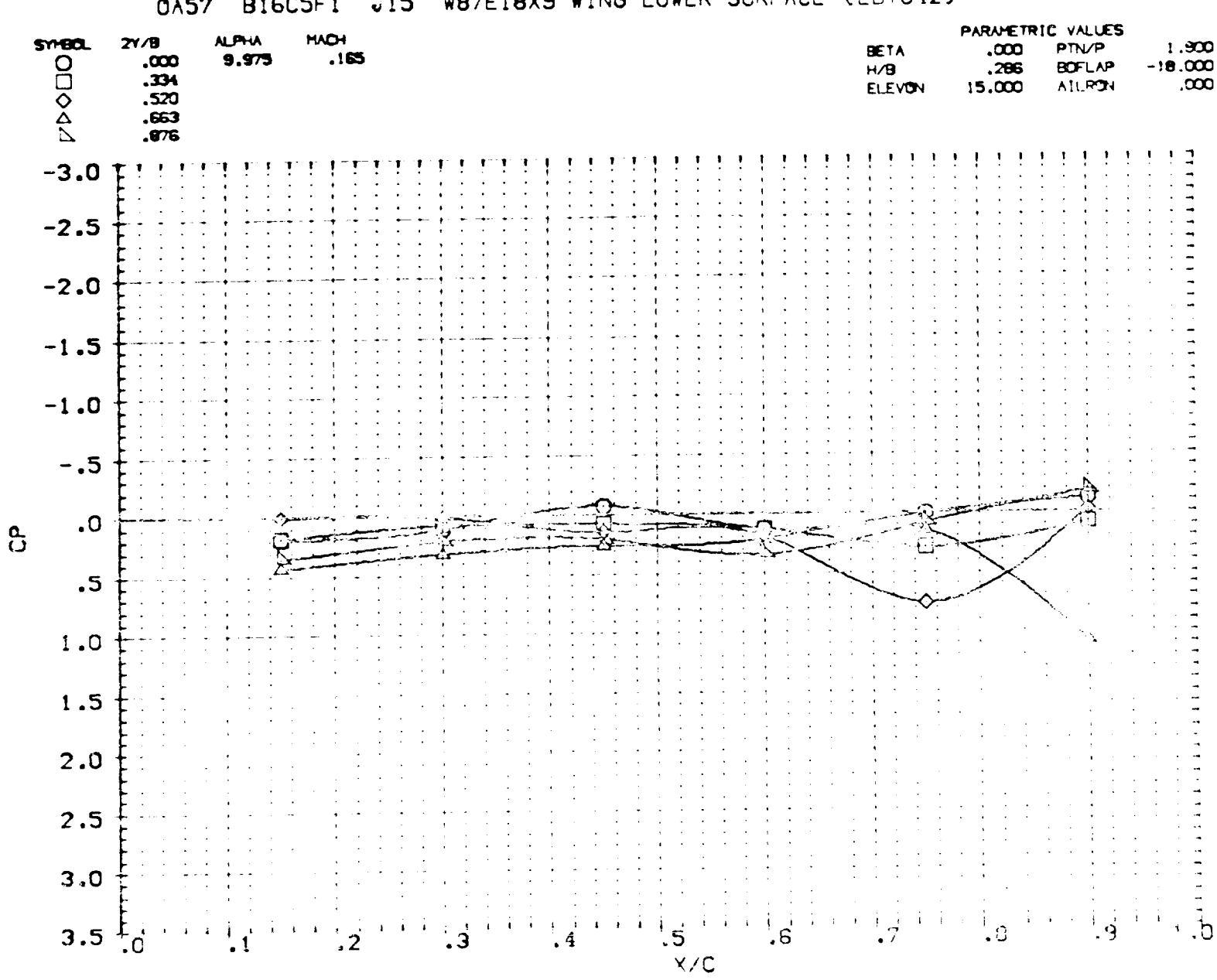


FIG 51 WING LOWER SURFACE PRESSURE CHORDWISE [illegible]

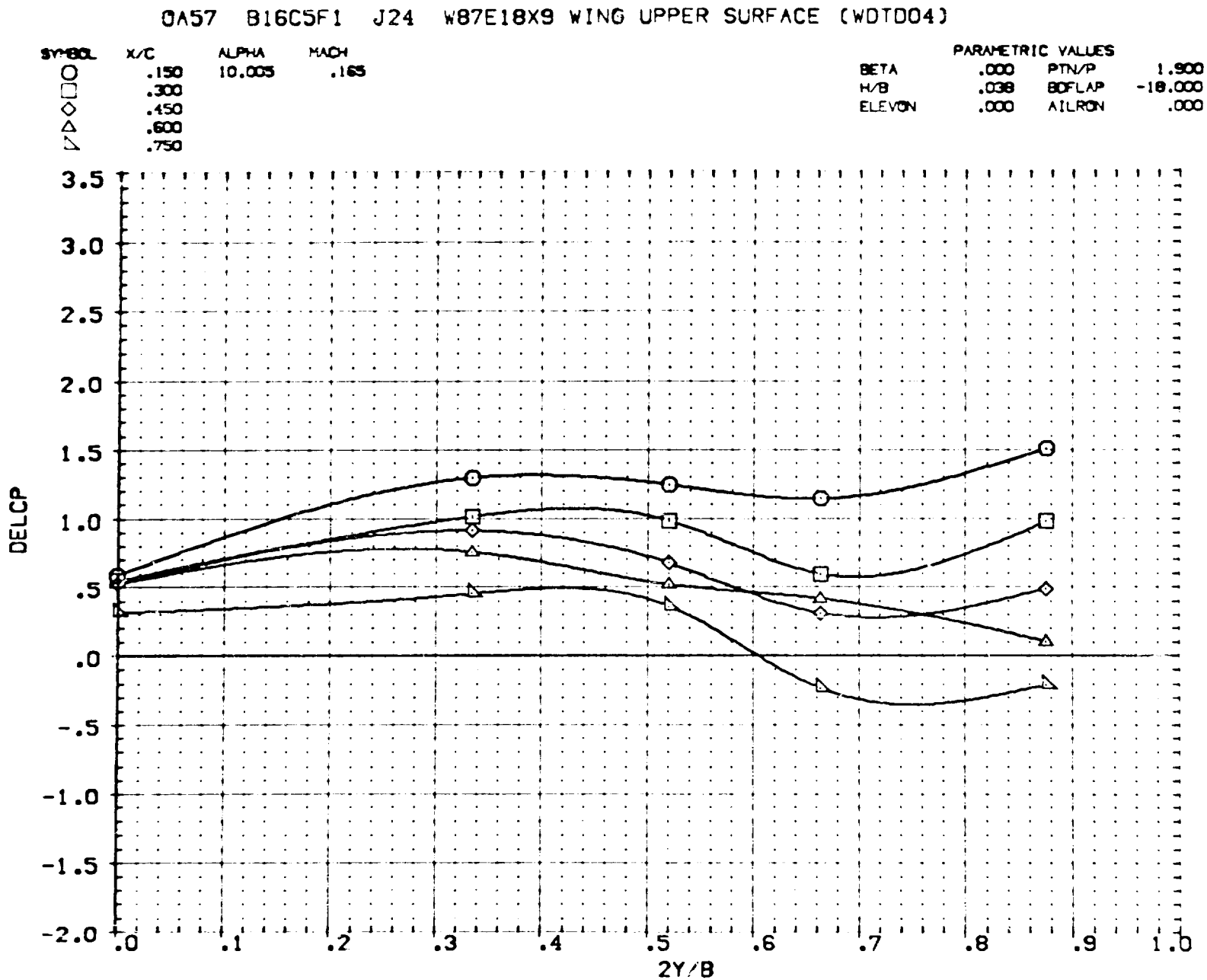


FIG 52 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WD1004)

SYMBOL	X/C	ALPHA	MACH
O	.800	10.005	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.038	BOFLAP	-18.000
ELEVON	.000	AILRON	.000

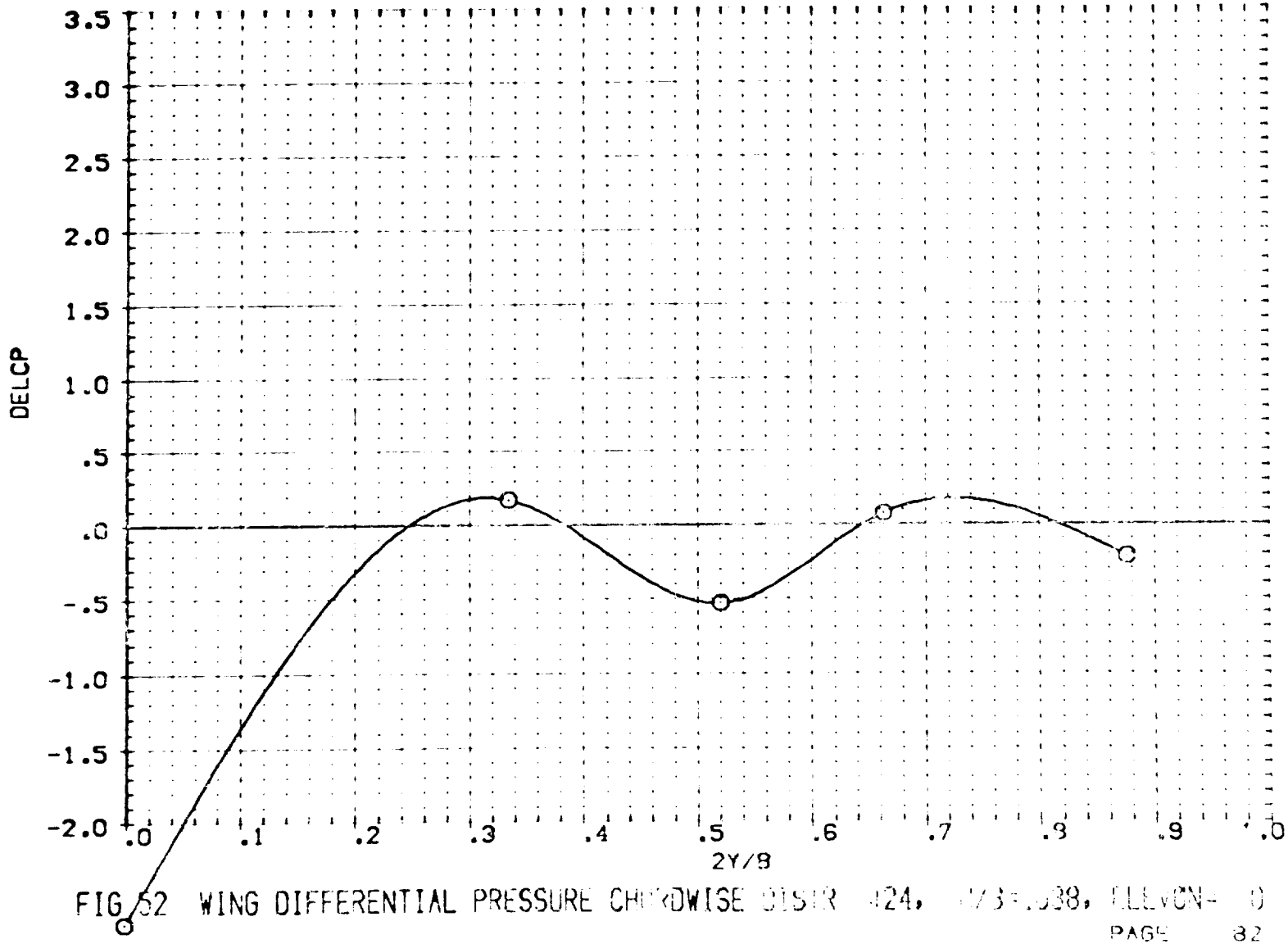


FIG 52 WING DIFFERENTIAL PRESSURE CHORDWISE DIST J24, H/B=.038, ELEVON= 0

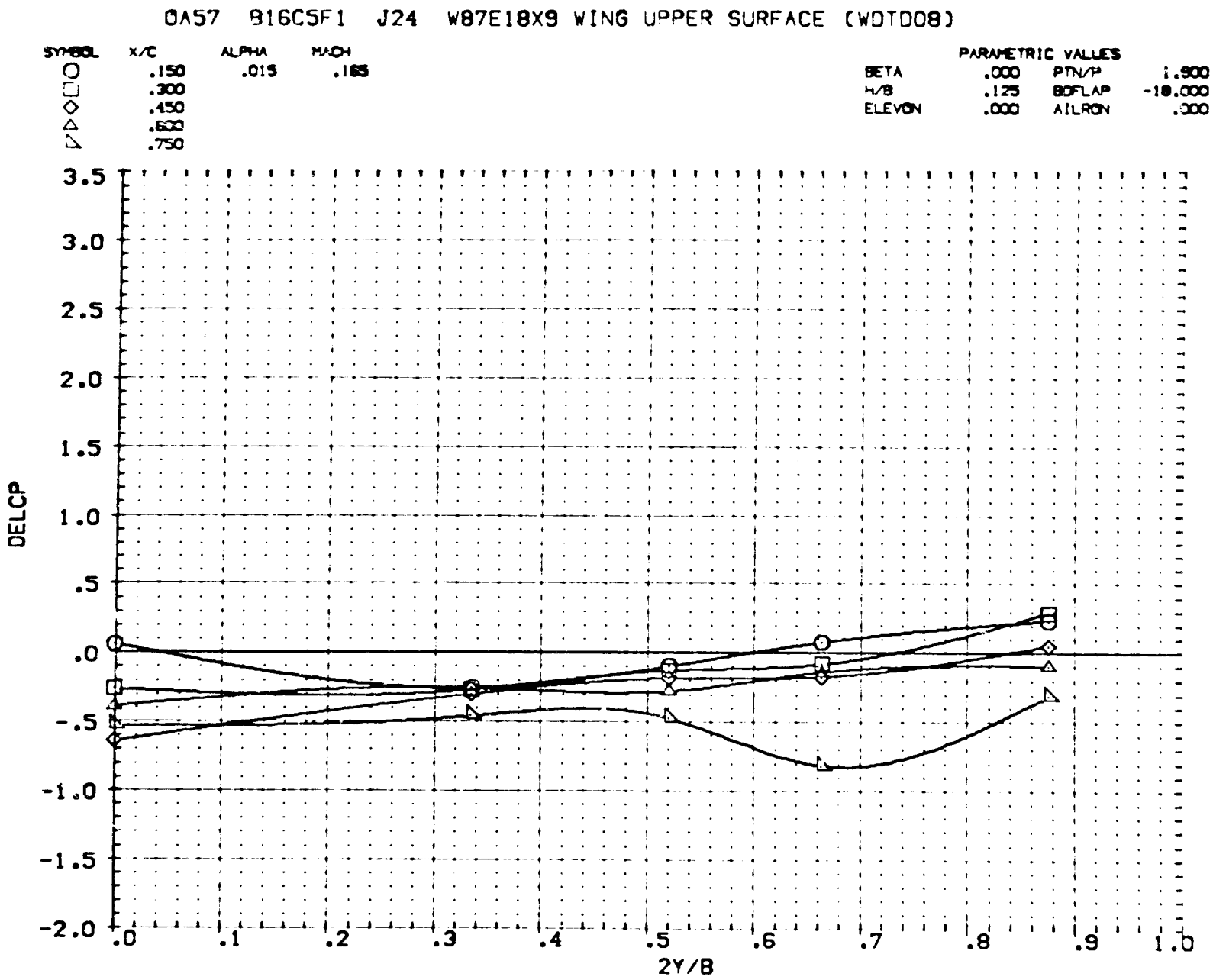


FIG 53 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 0

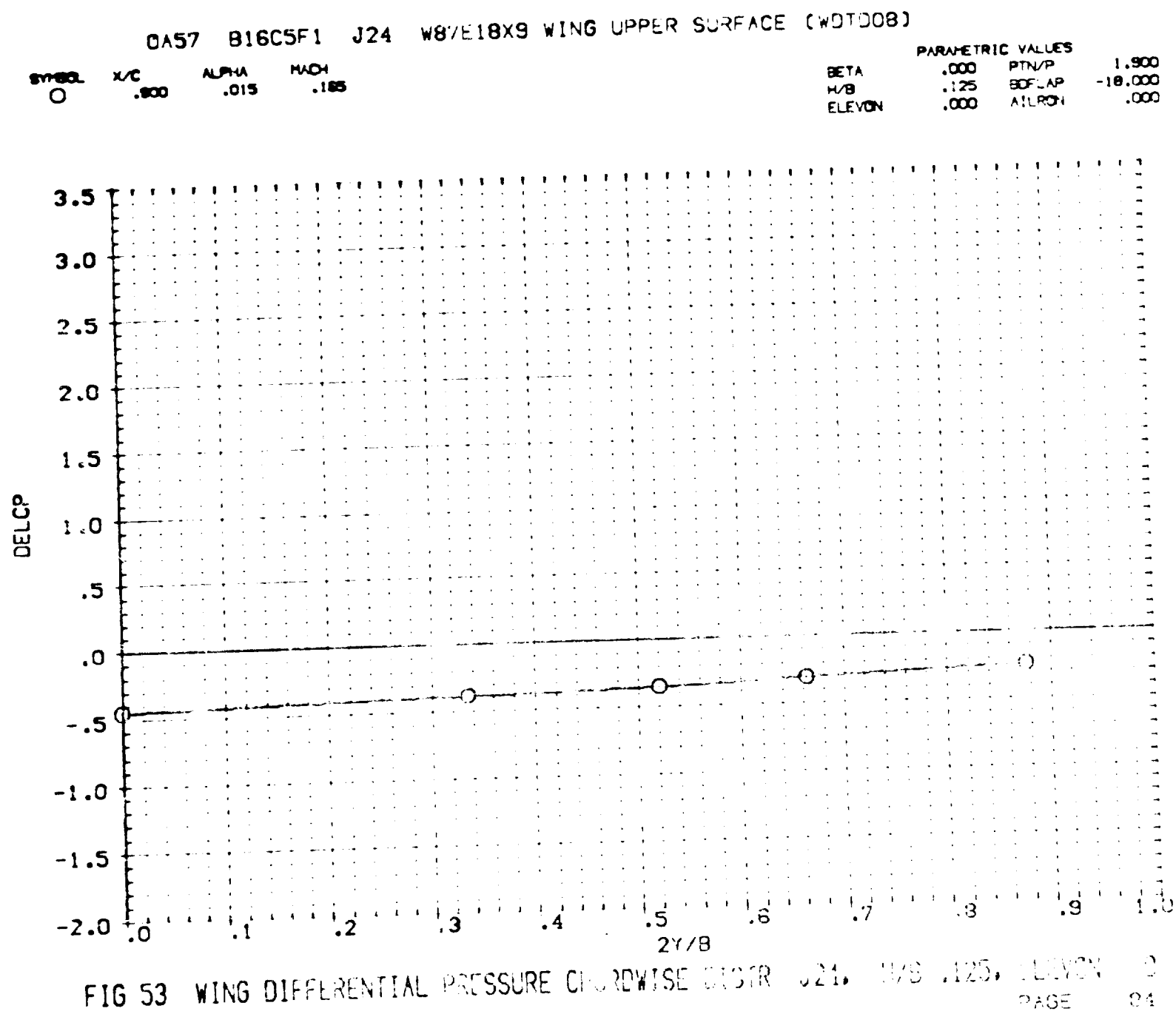


FIG 53 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J21, H/B .125, ELEVON 0

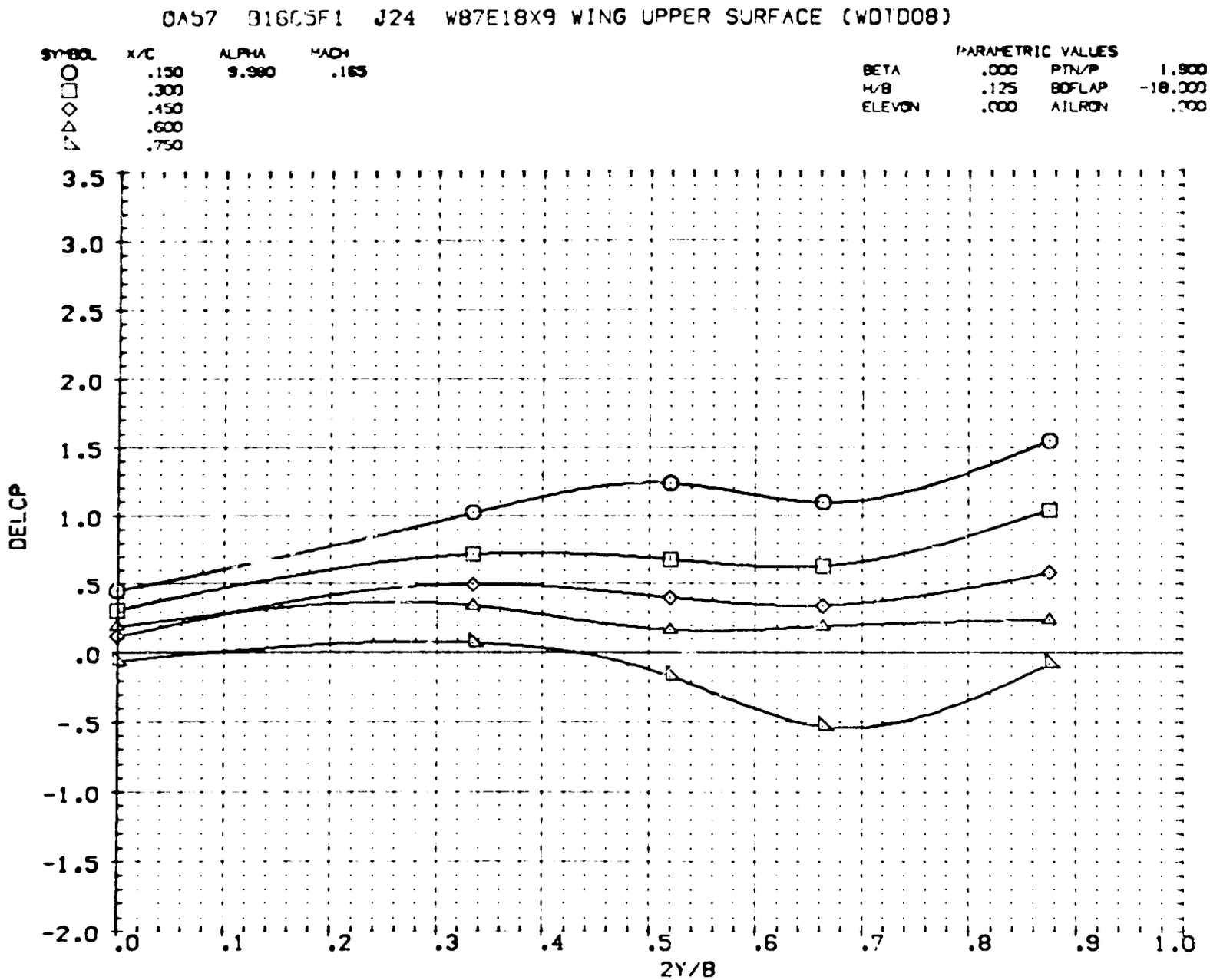


FIG 53 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTD08)

SYMBOL	X/C	ALPHA	MACH
○	.900	9.980	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.125	BOFLAP	-18.000
ELEVON	.000	AILRON	.000

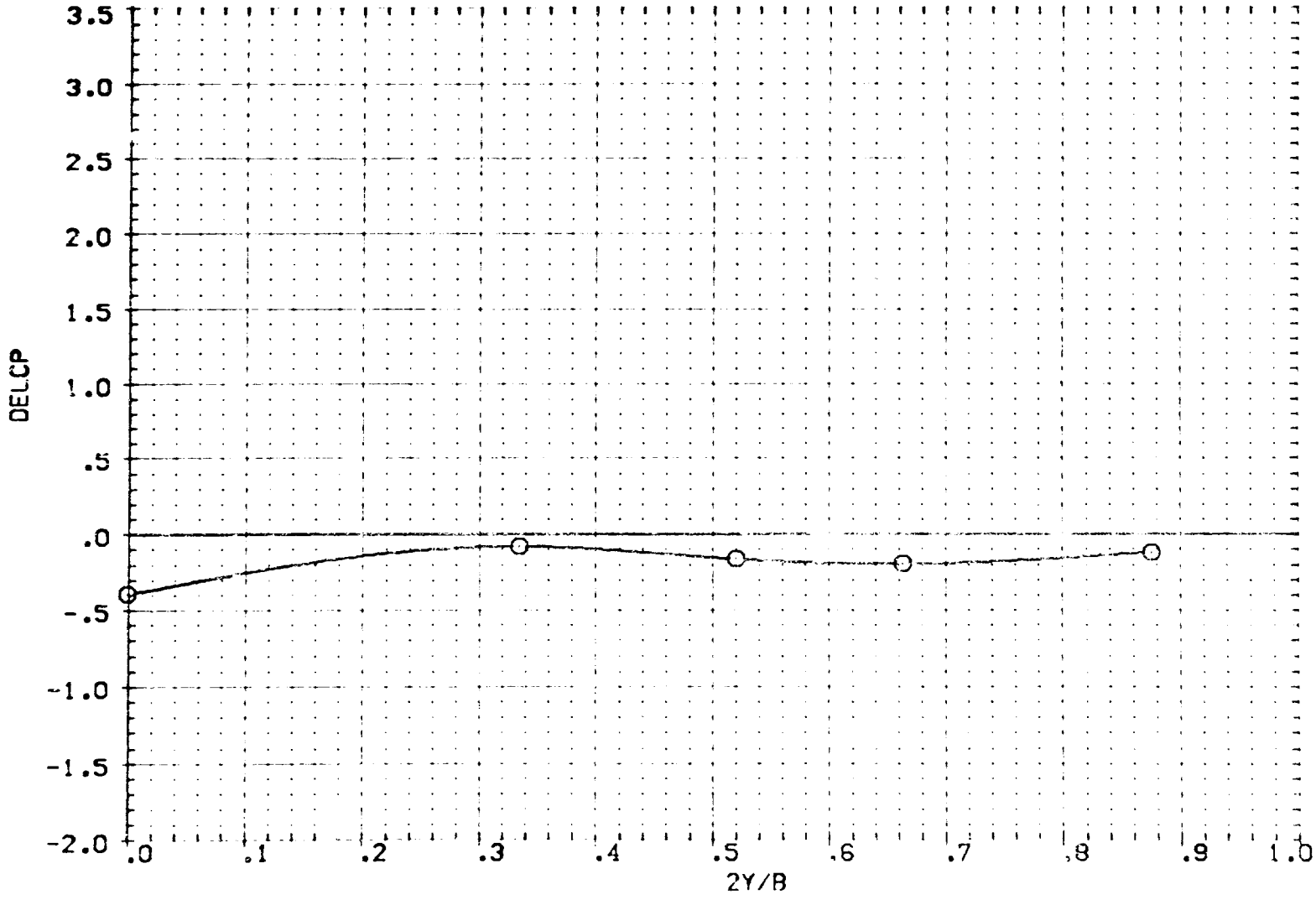


FIG 53 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 0

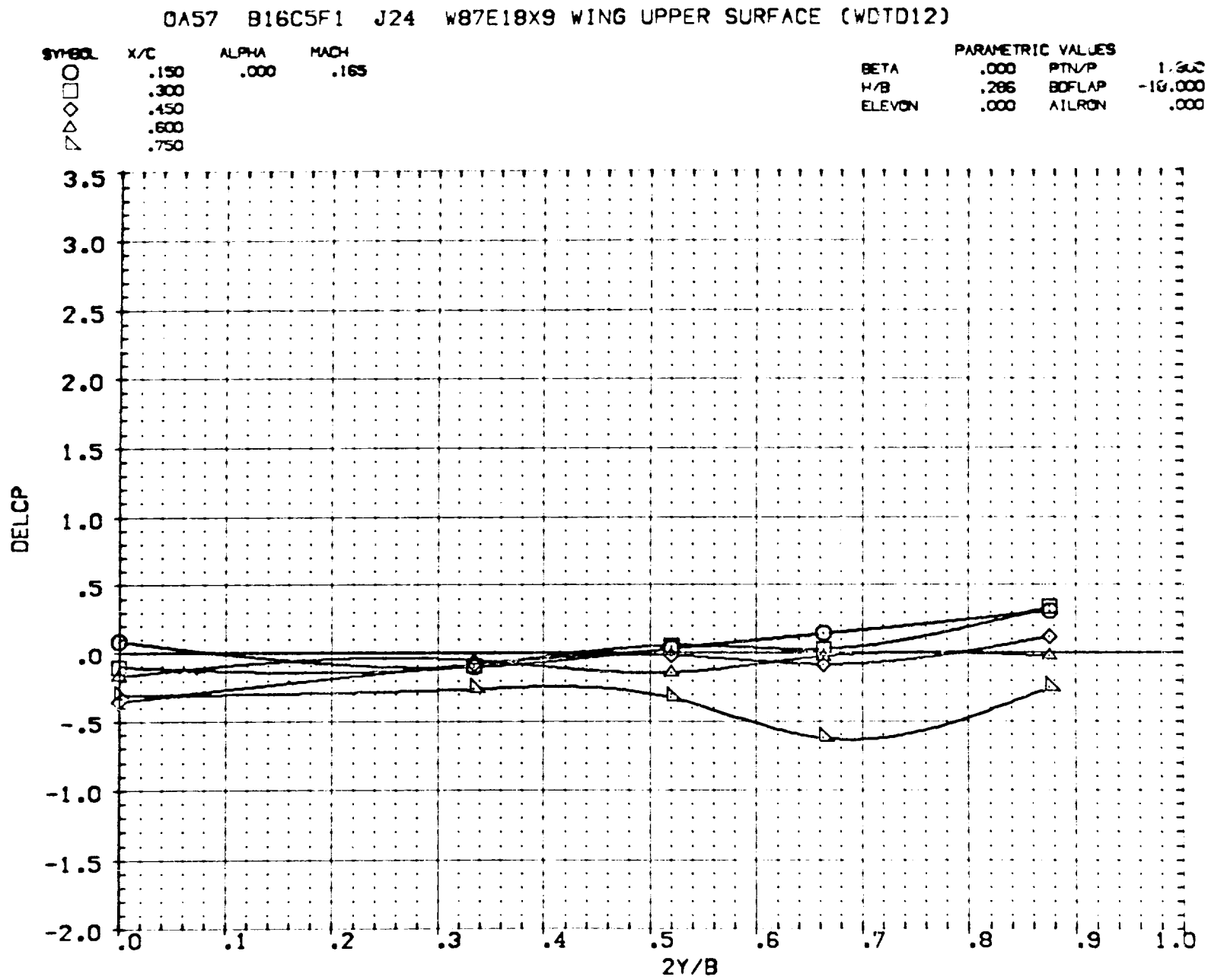


FIG 54 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTD12)

SYMBOL	X/C	ALPHA	MACH
○	.900	.000	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-10.000
ELEVON	.000	AILRON	.000

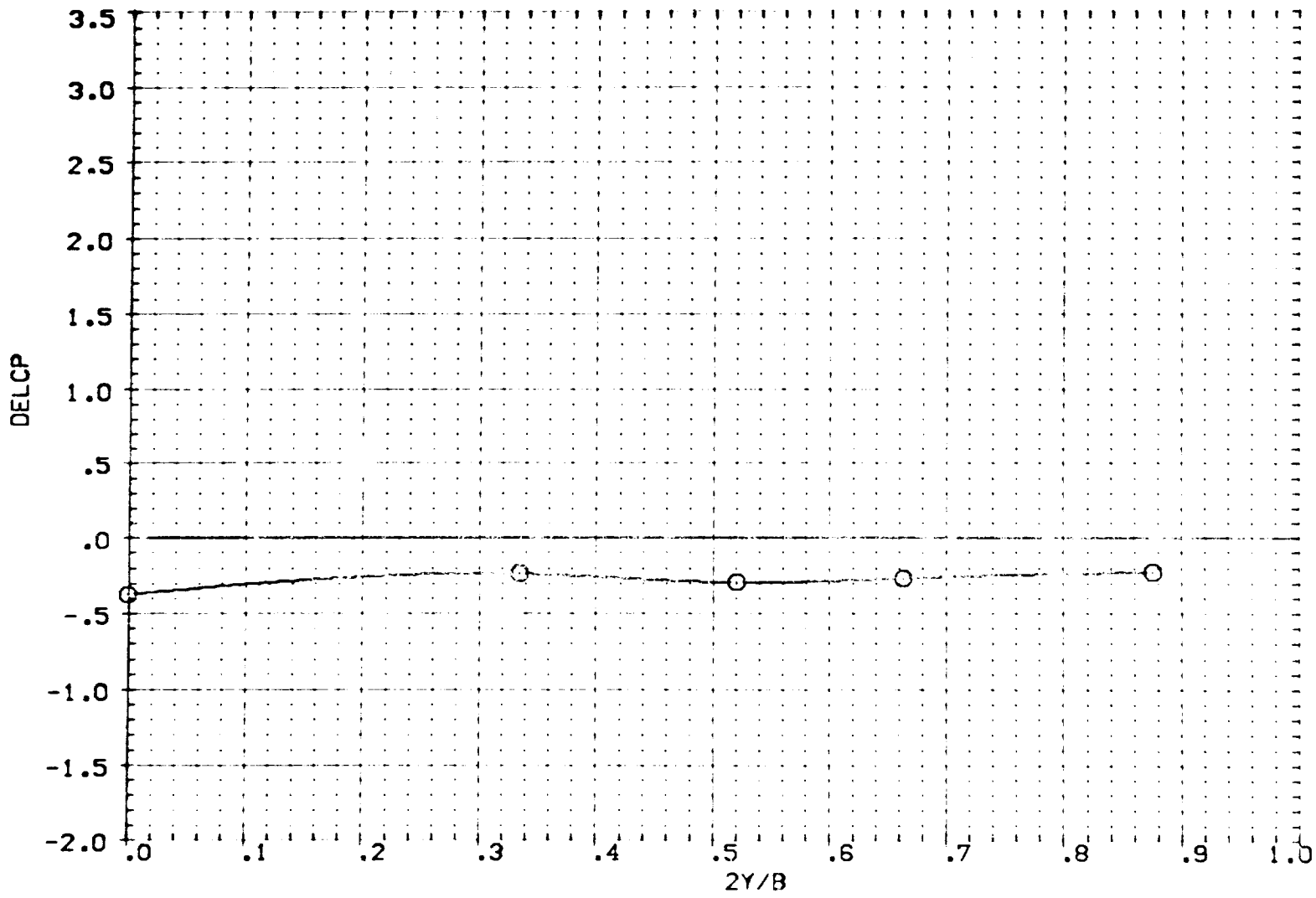


FIG 54 WING DIFFERENTIAL PRESSURE CHORDWISE DIST'R J24, H/B=.286, ELEVON= 0

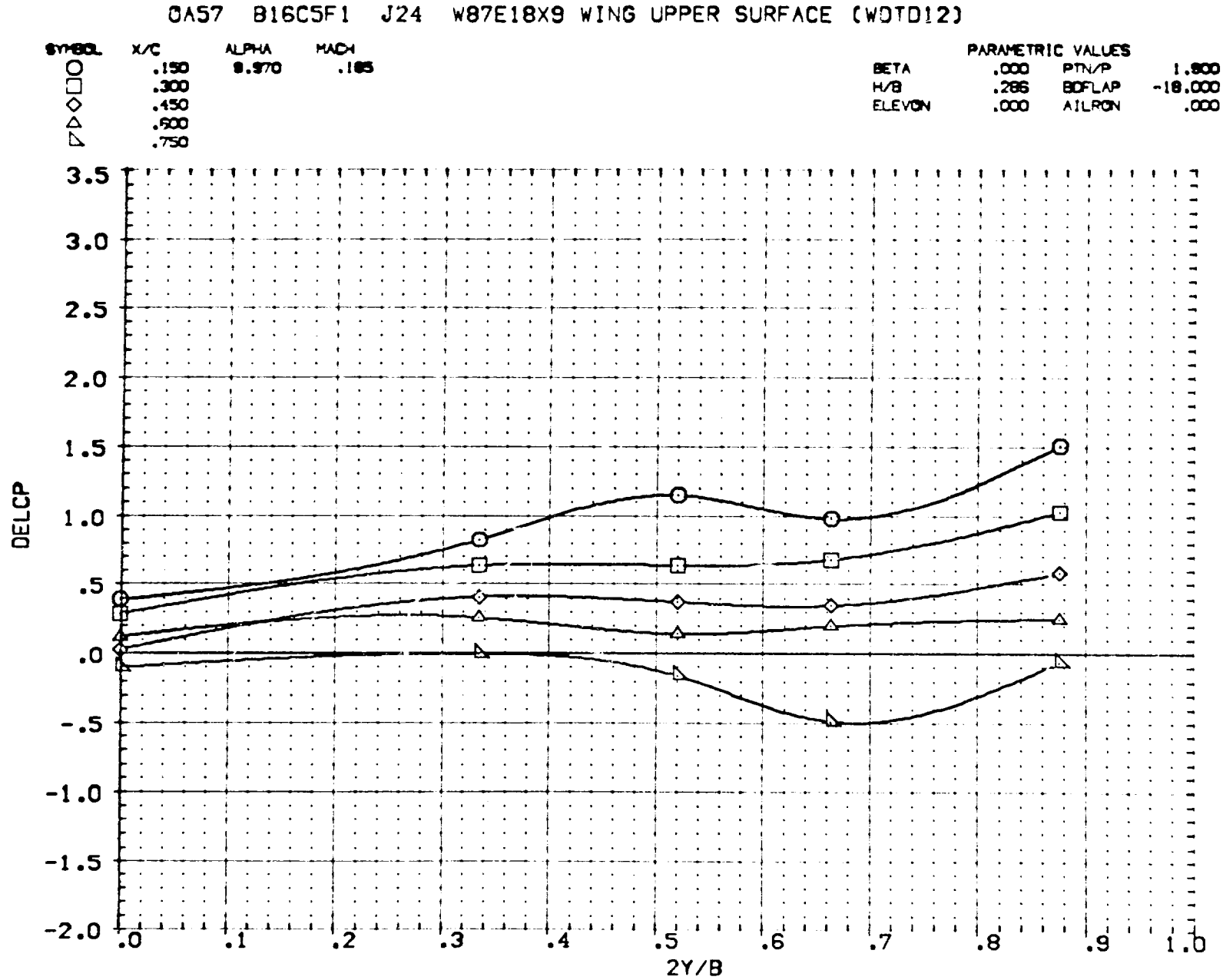


FIG 54 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTD12)

SYMBOL	X/C	ALPHA	MACH
O	.900	9.970	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-18.000
ELEVON	.000	AILRON	.000

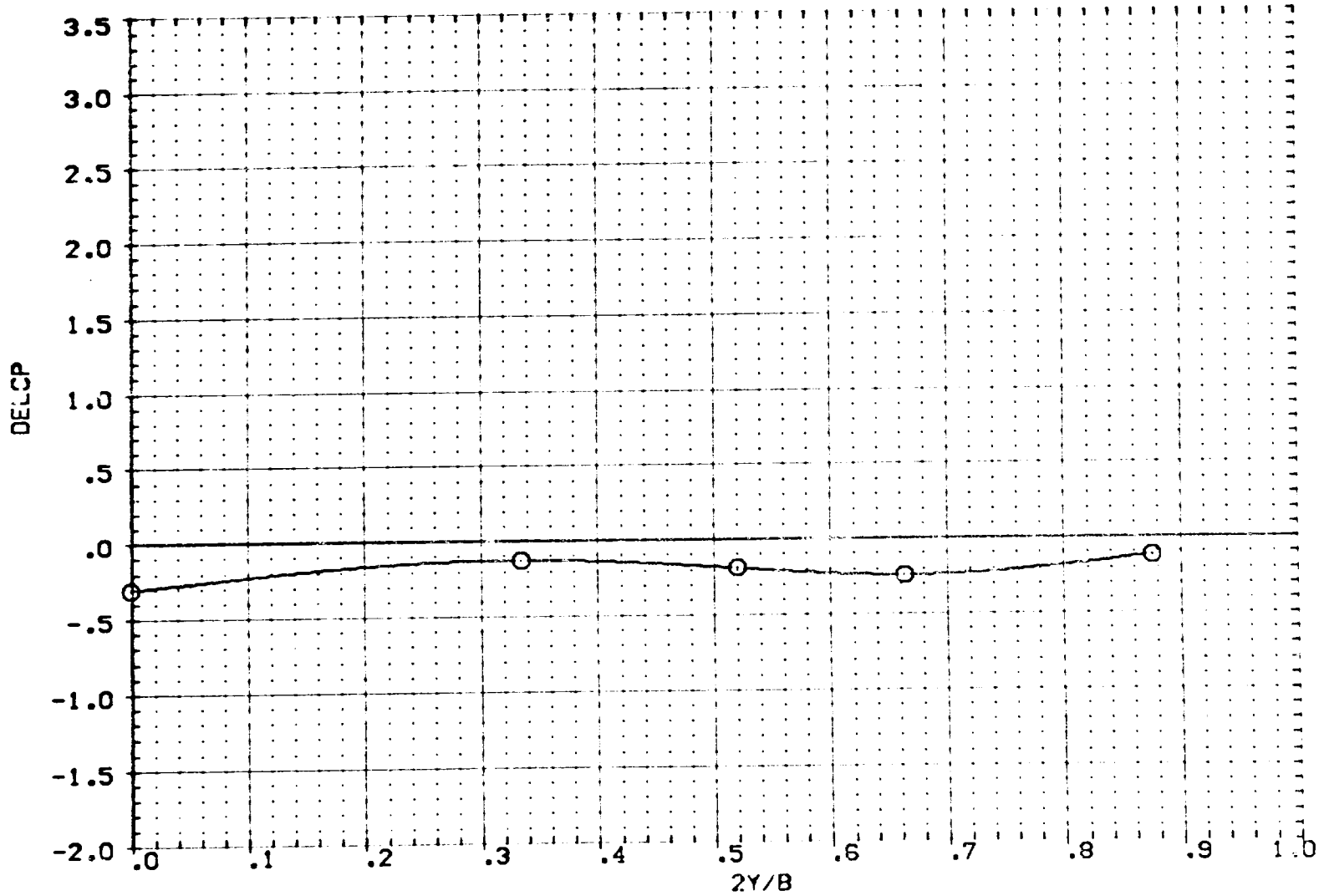


FIG 54 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 0

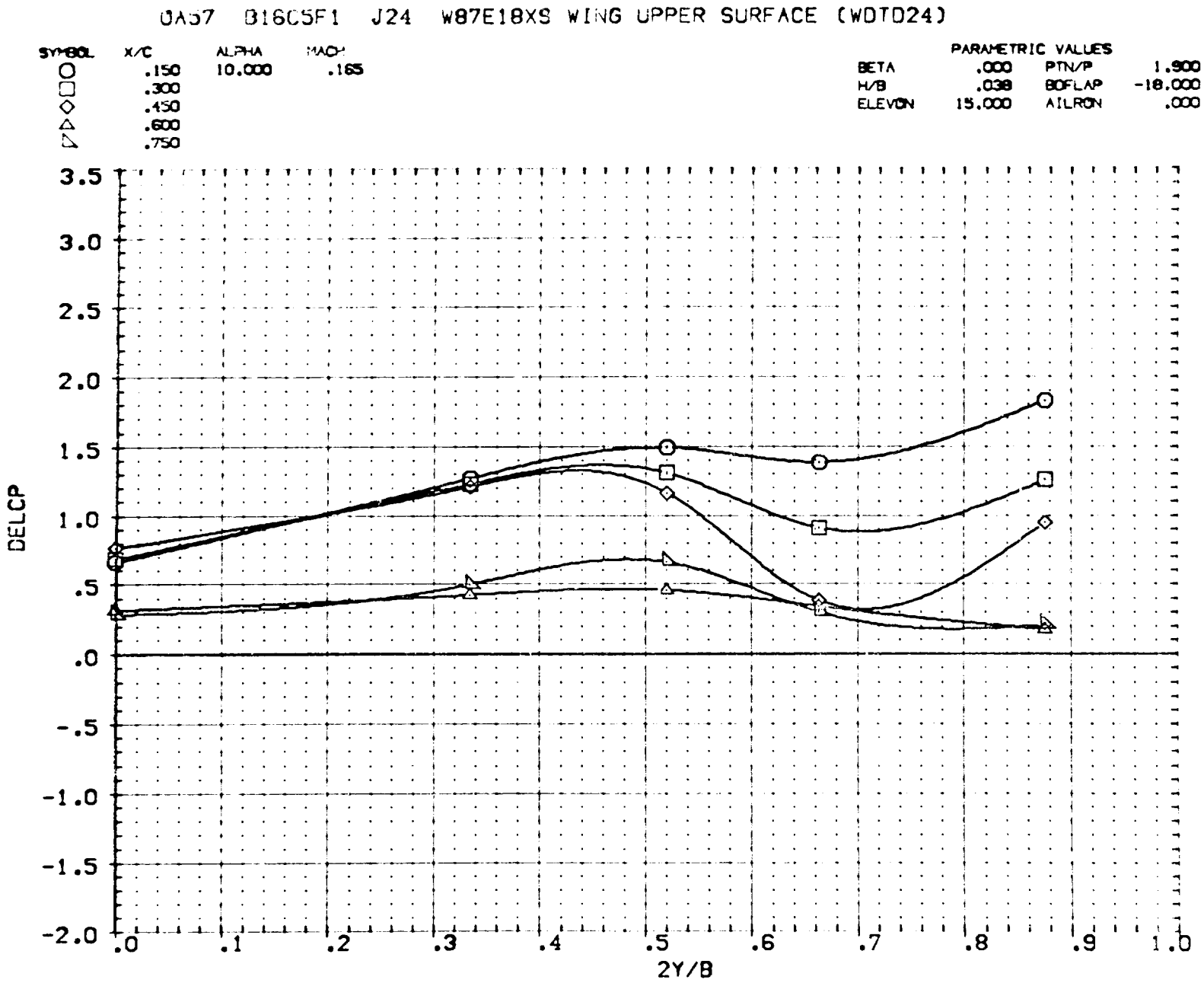


FIG 55 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 15

CA57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTD24)

SYMBOL	X/C	ALPHA	MACH
○	.900	10.000	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.038	BOFLAP	-19.000
ELEVON	15.000	AILRON	.000

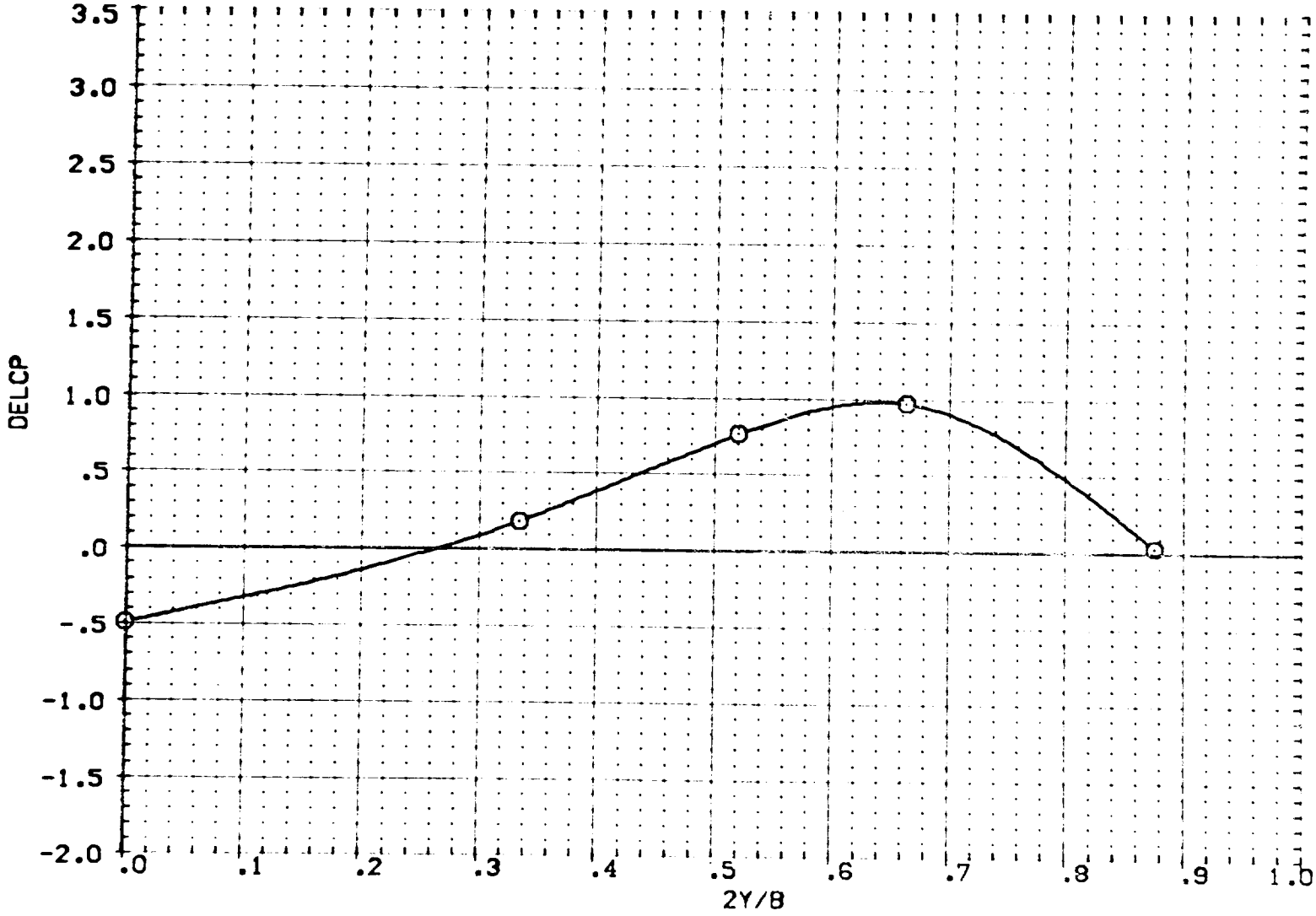


FIG 55 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.038, ELEVON= 15

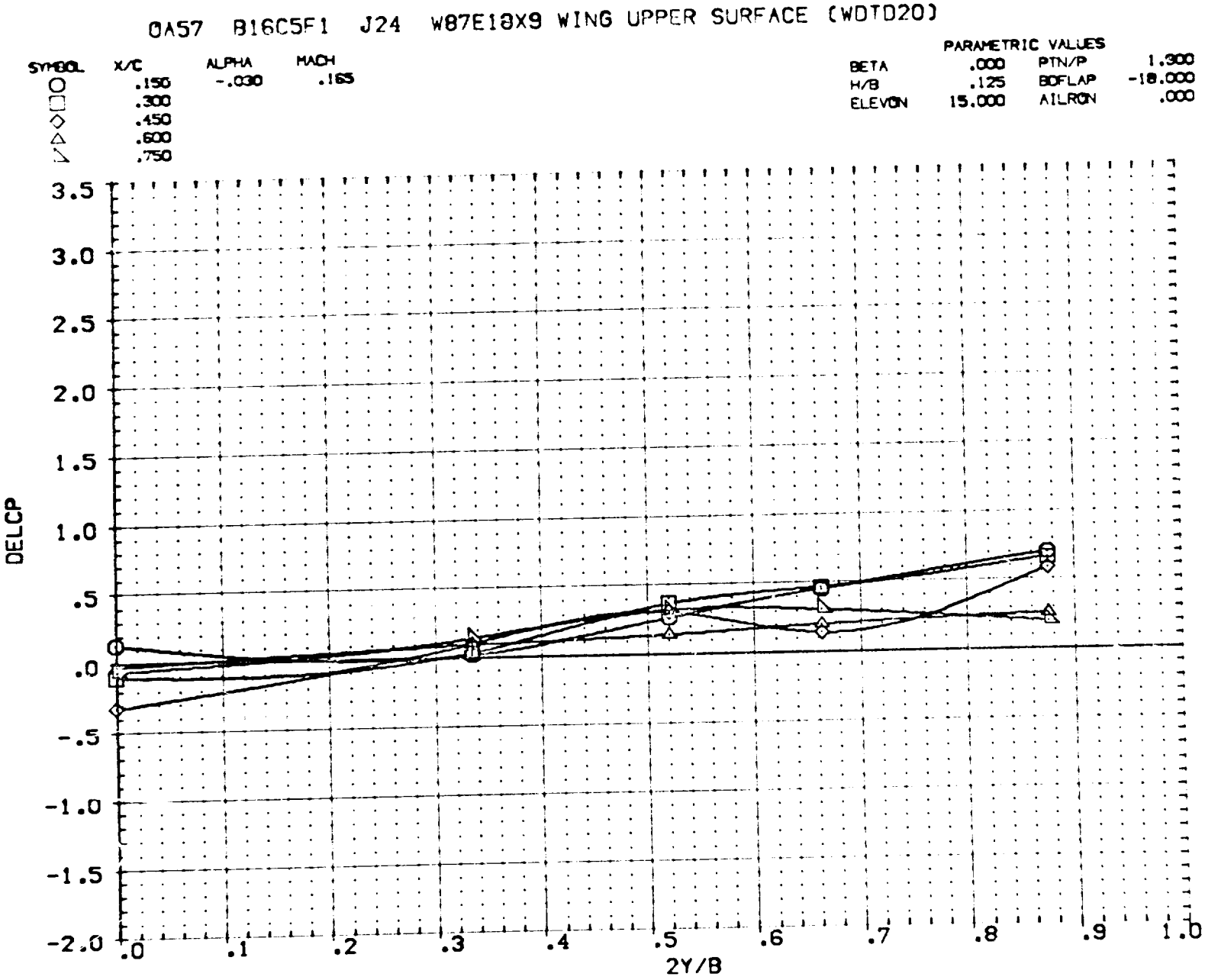


FIG 56 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

0A57 B16C5F1 J24 W87E1ßX9 WING UPPER SURFACE (WDTD20)

SYMBOL	X/C	ALPHA	MACH
O	.300	-.030	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.125	BDFLAP	-18.000
ELEVON	15.000	AILRON	.000

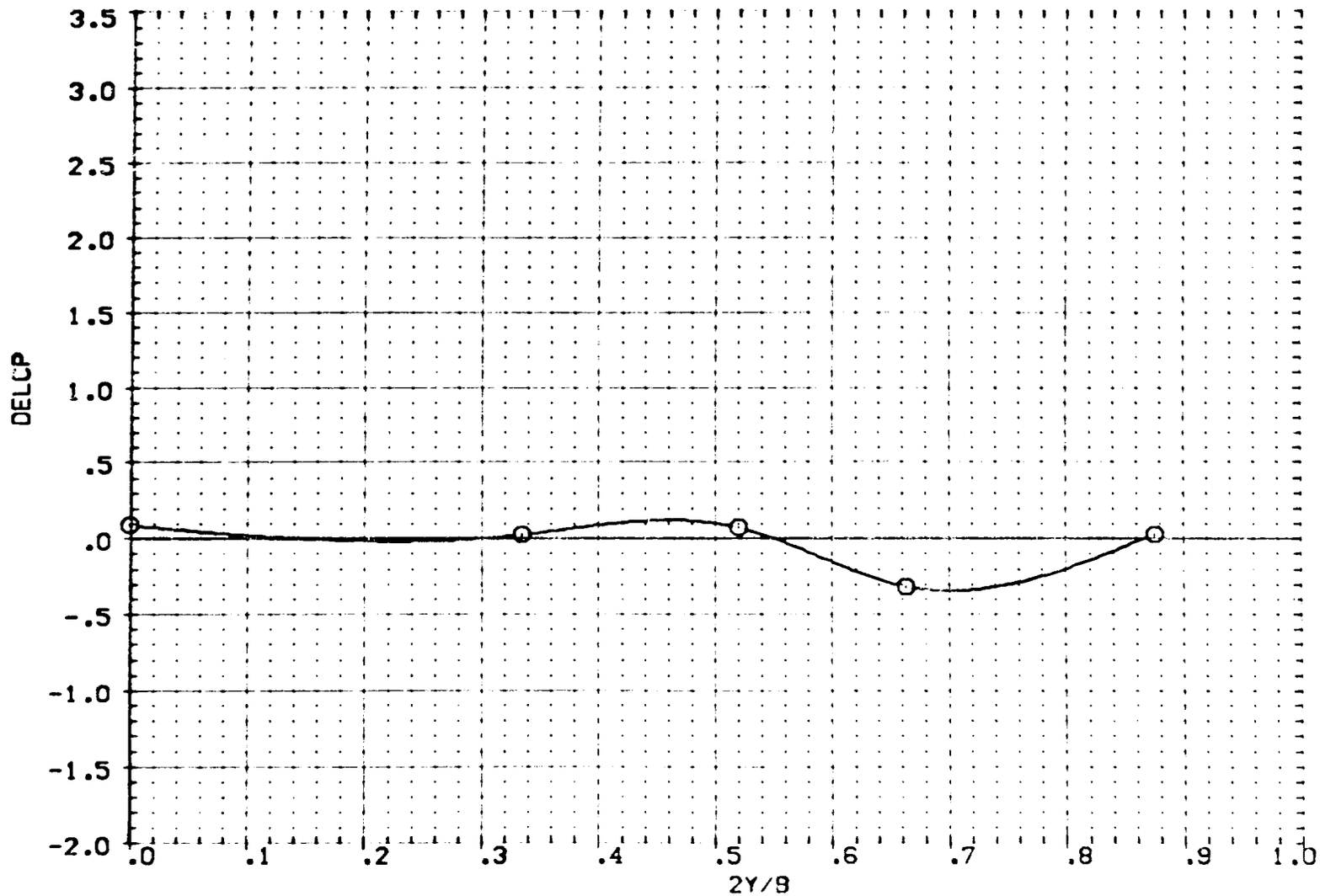


FIG 56 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

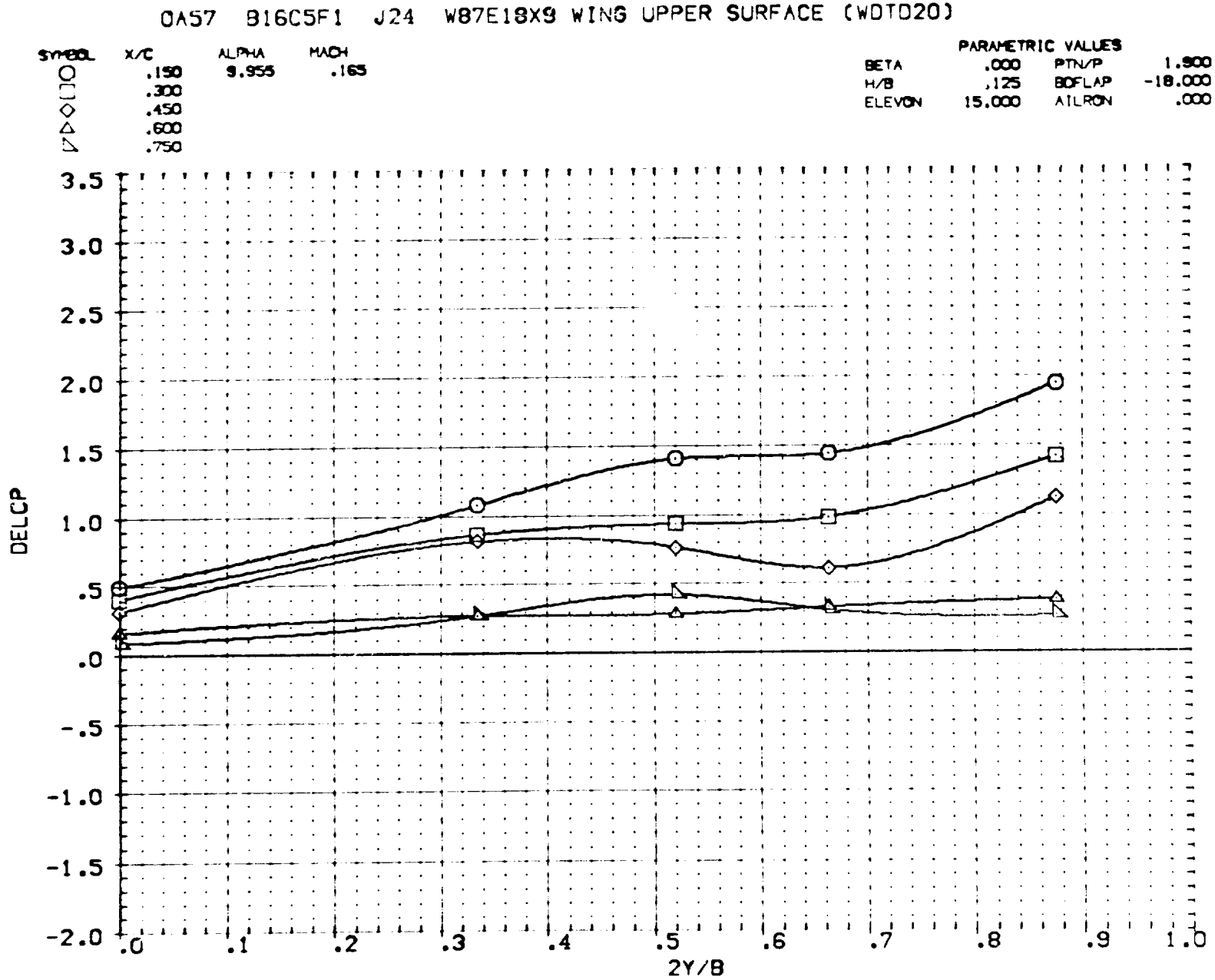


FIG 56 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTD20)

SYMBOL	X/C	ALPHA	MACH
O	.900	9.955	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.125	BOFLAP	-18.000
ELEVON	15.000	AILRON	.000

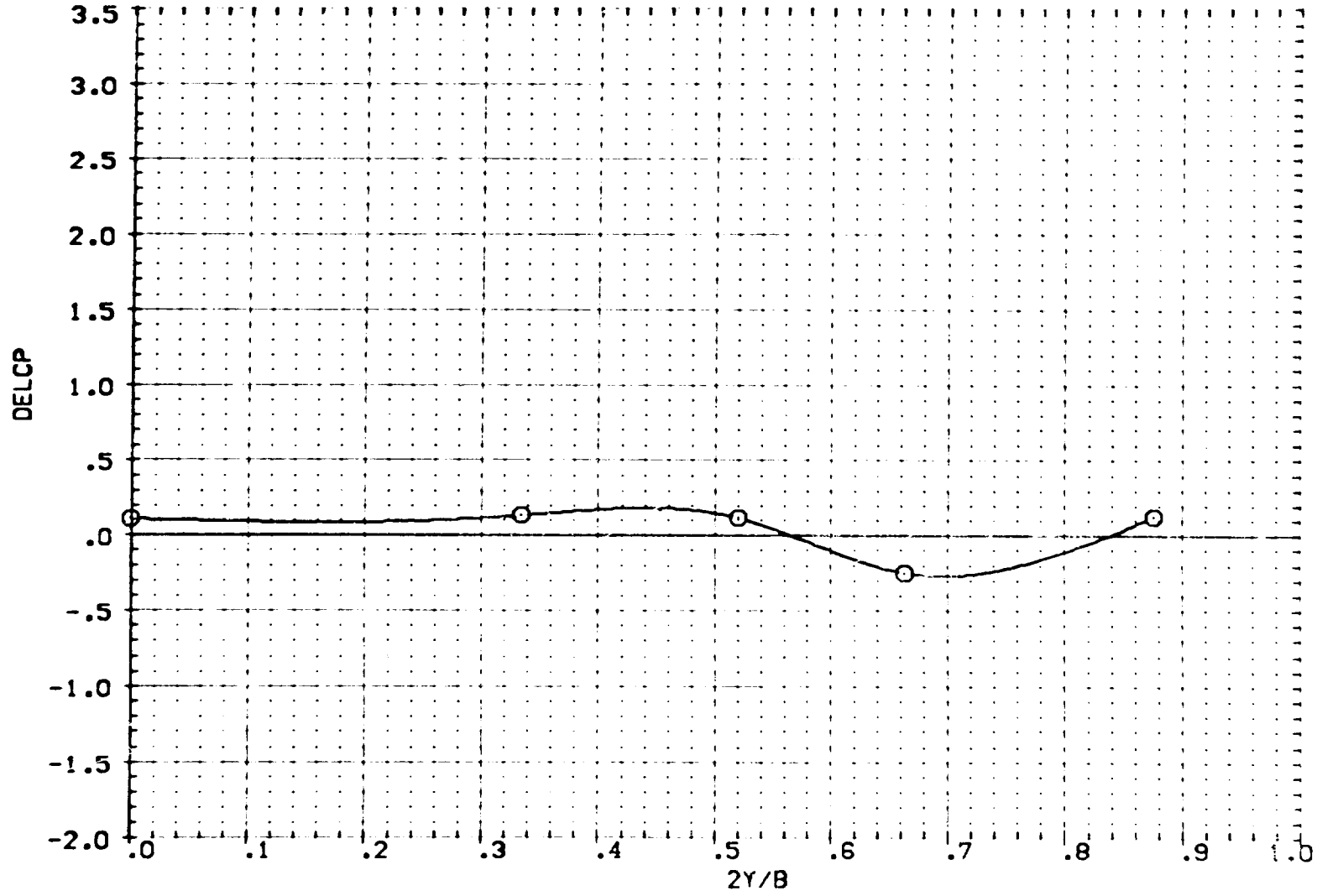


FIG 56 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.125, ELEVON= 15

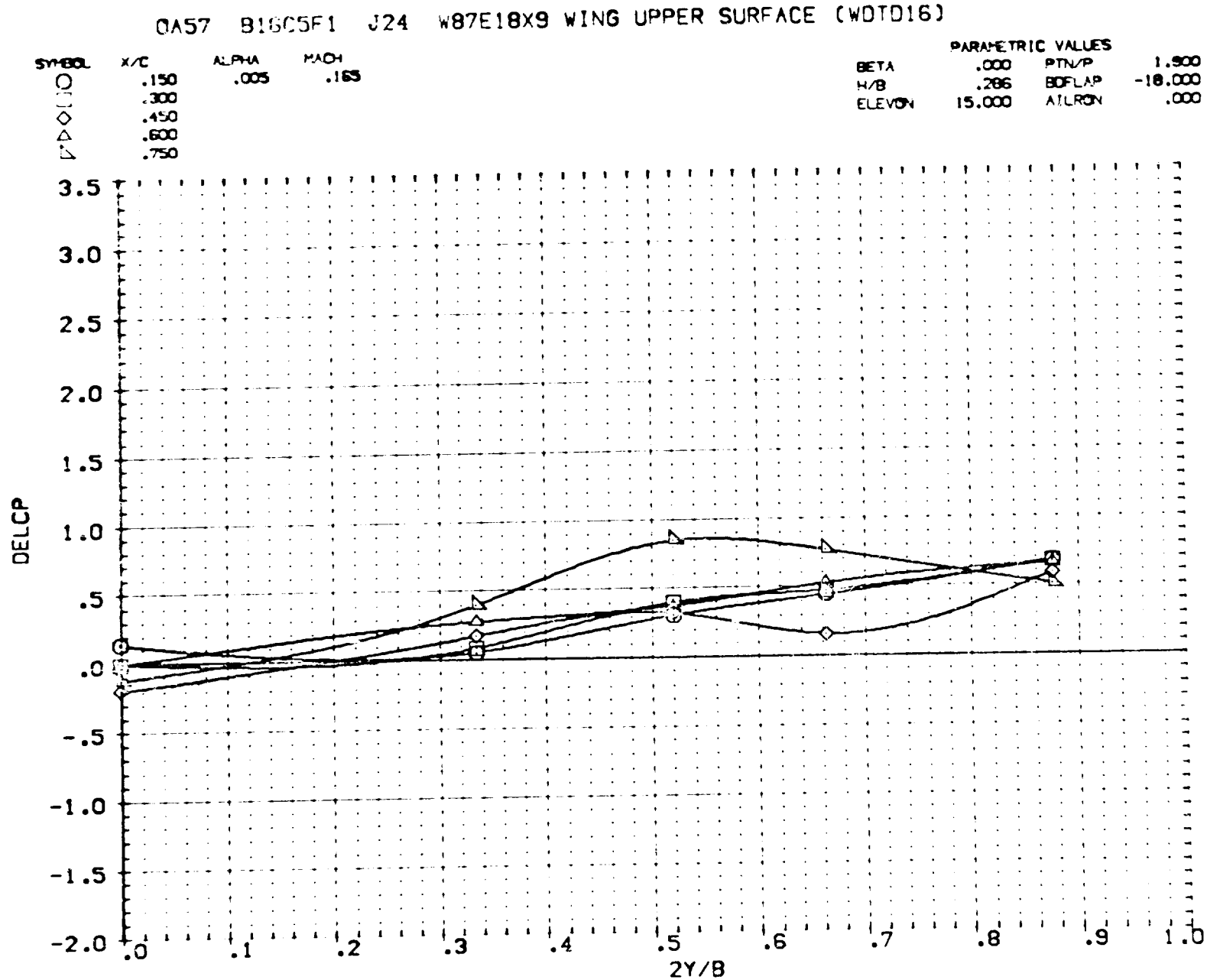


FIG 57 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTD16)

SYMBOL	X/C	ALPHA	MACH
O	.900	.005	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-18.000
ELEVON	15.000	AILRON	.000

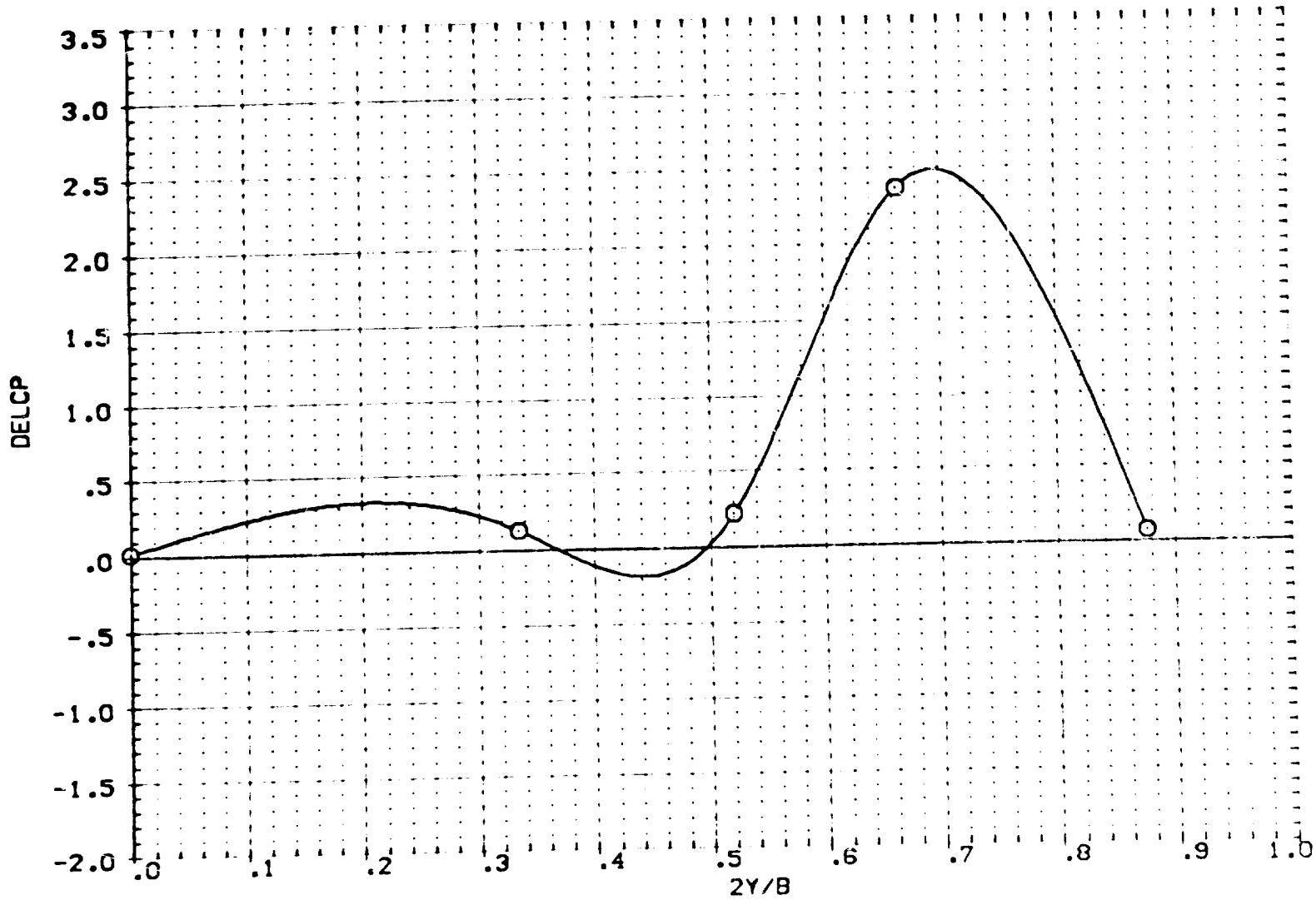


FIG 57 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

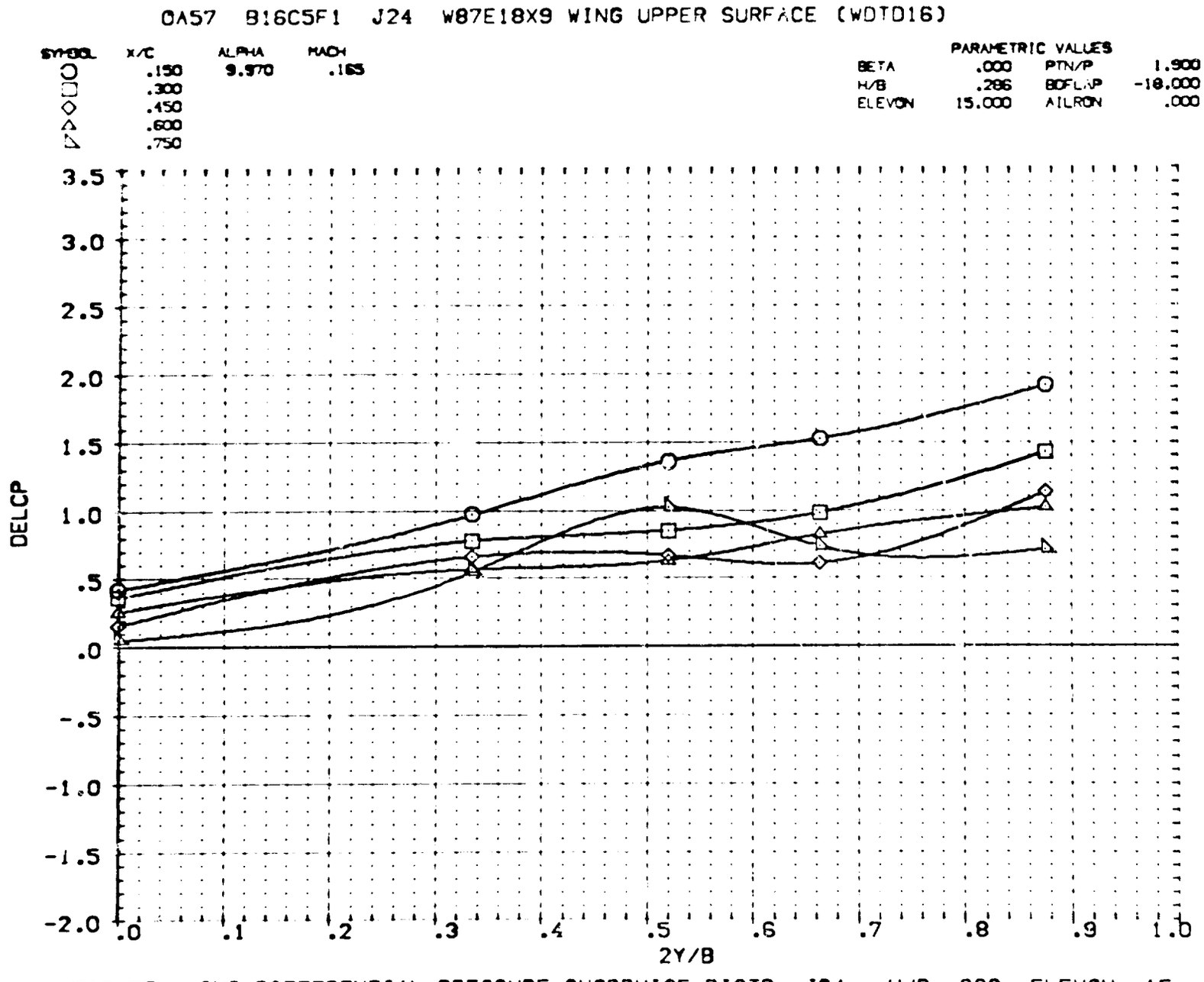


FIG 57 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

CA57 B16C5F1 J24 W87E18XS WING UPPER SURFACE (WDTD16)

SYMBOL	X/C	ALPHA	MACH
○	.700	9.570	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-18.000
ELEVON	15.000	AILRON	.000

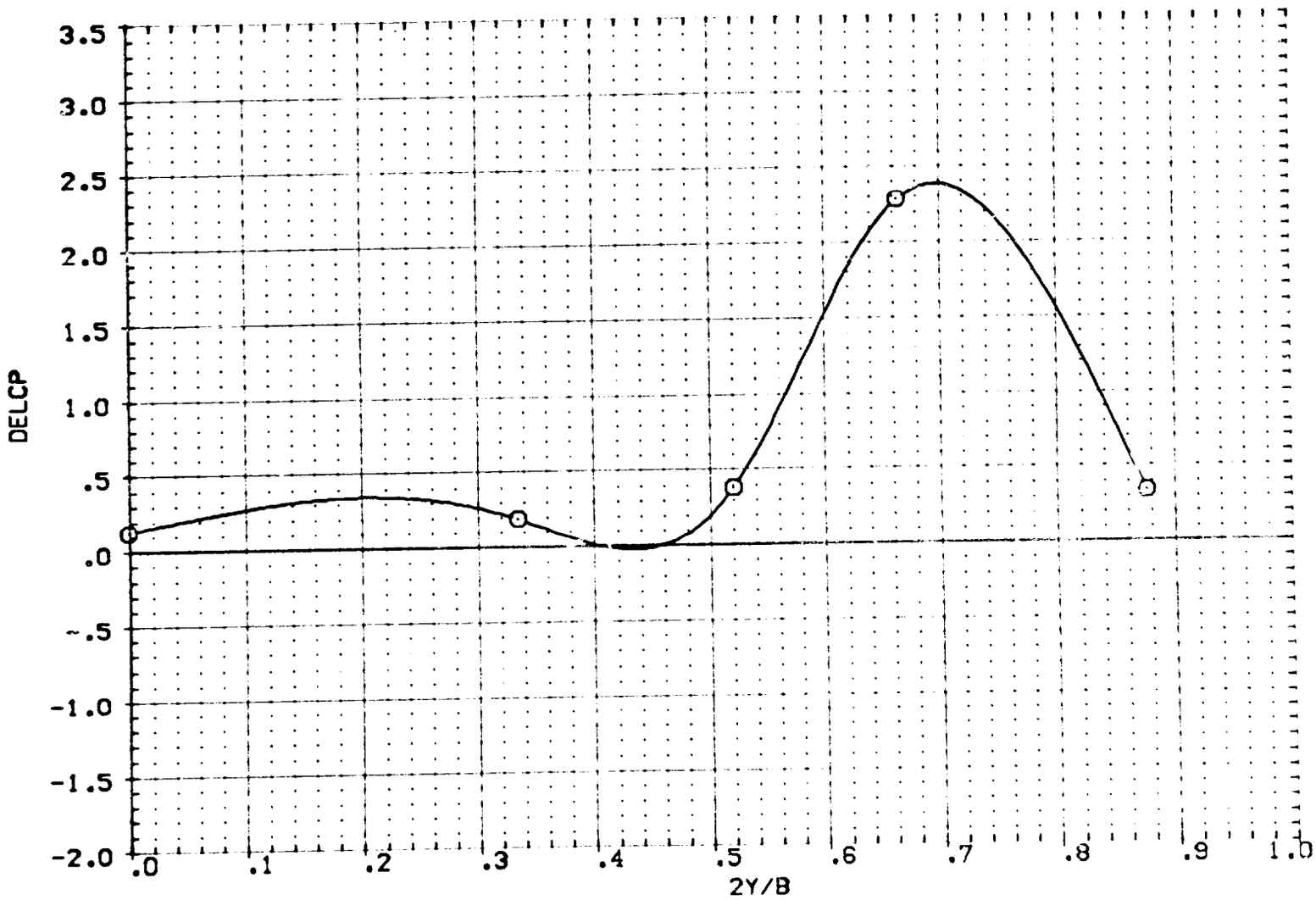


FIG 57 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J24, H/B=.286, ELEVON= 15

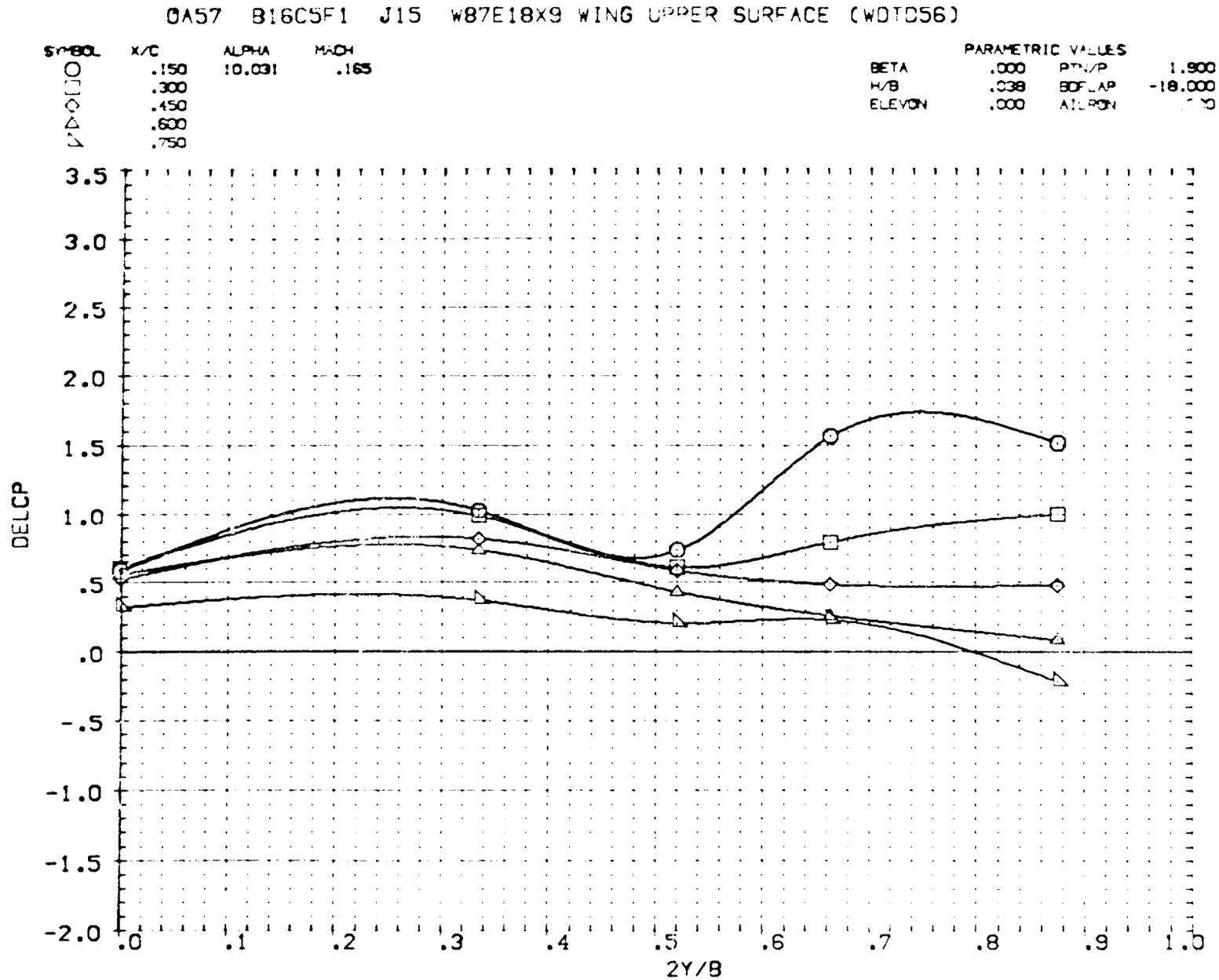


FIG 58 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.038, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD56)

SYMBOL	X/C	ALPHA	MACH
O	.900	10.031	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.038	BDFLAP	-18.000
ELEVON	.000	AILRON	.000

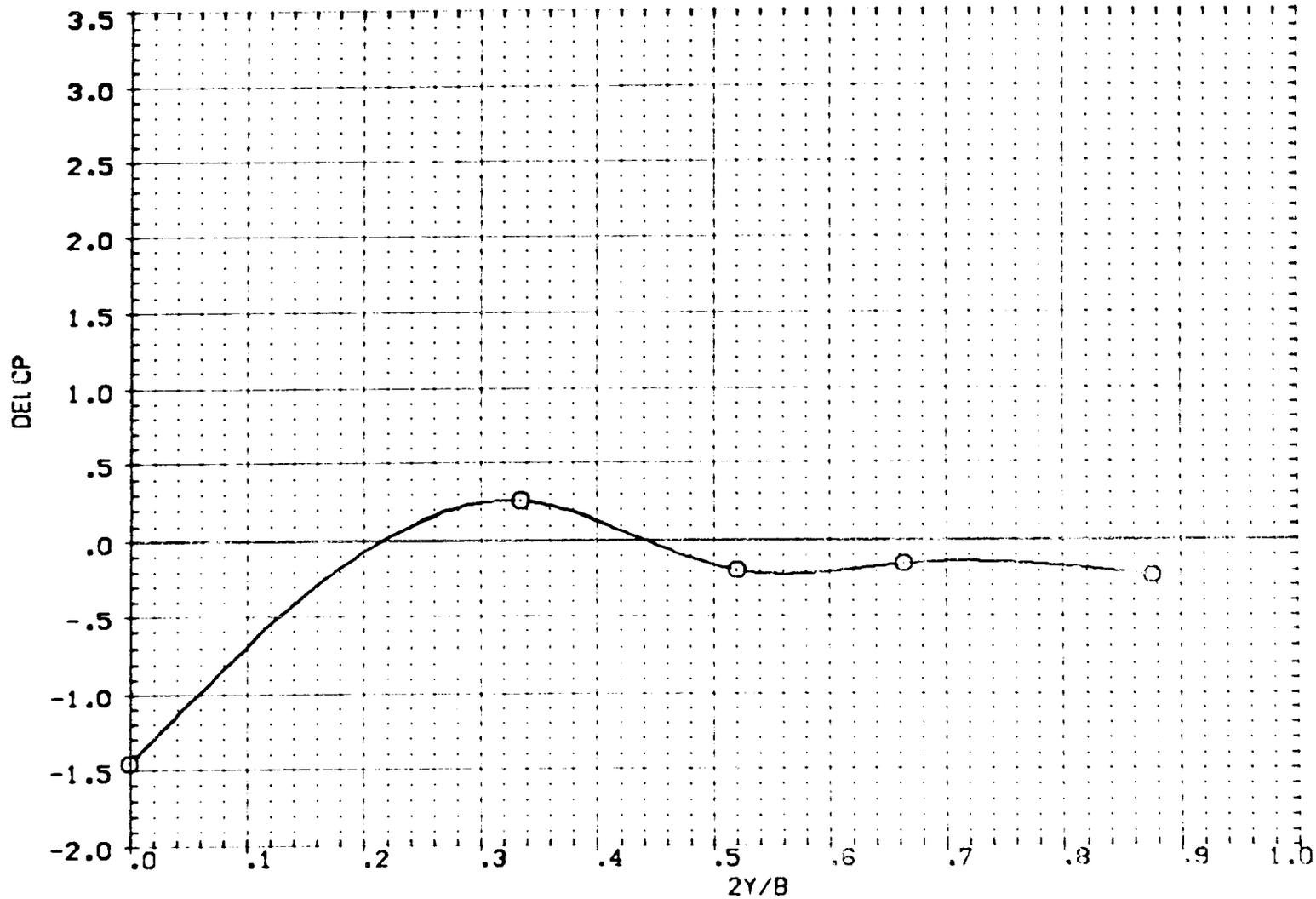


FIG 58 WING DIFFERENTIAL PRESSURE CHORDWISE DIST'R J15, H/B=.038, ELEVON= 0

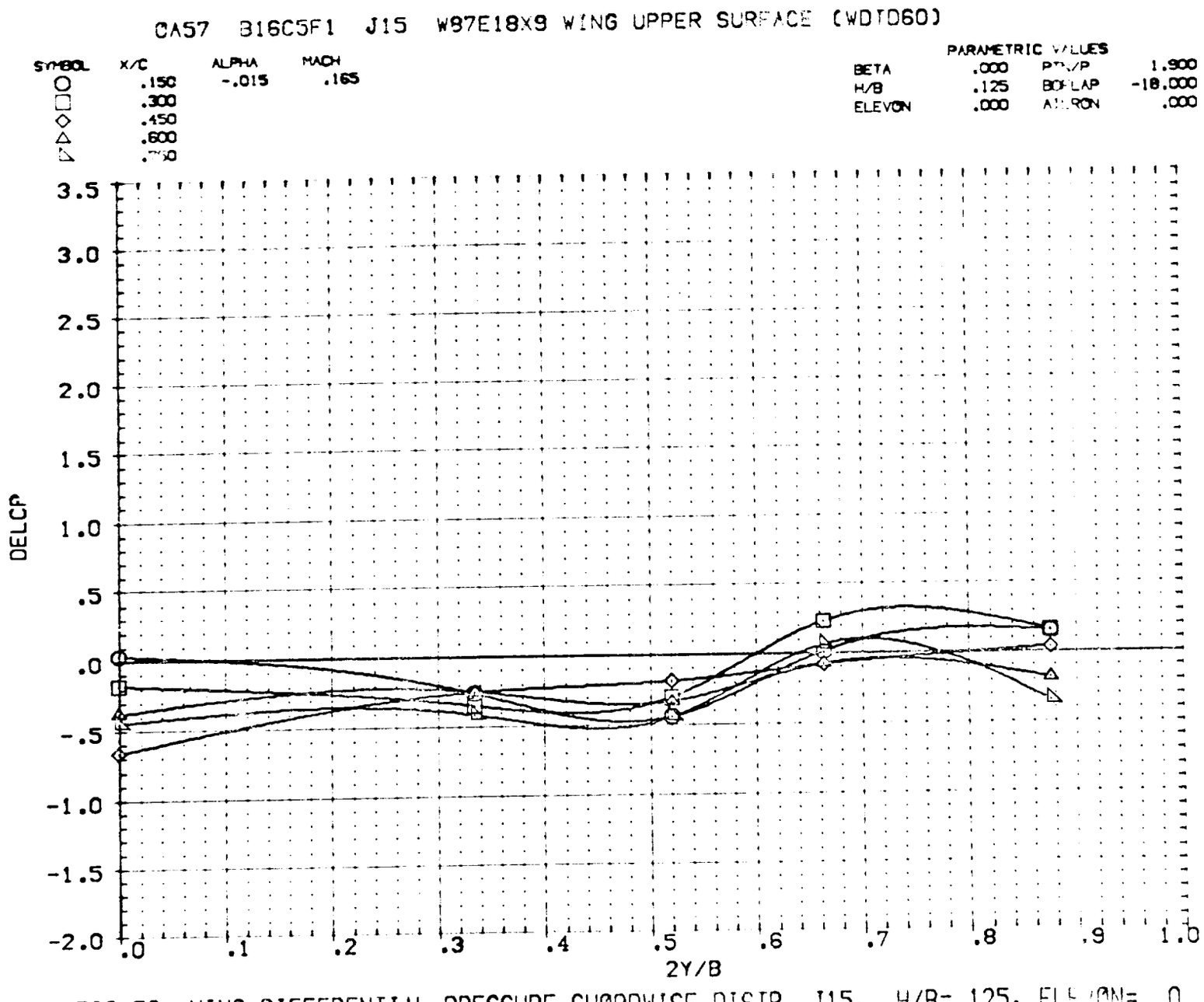


FIG 59 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD60)

SYMBOL	X/C	ALPHA	MACH
O	.900	-.015	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.125	BDFLAP	-18.000
ELEVON	.000	AILRON	.000

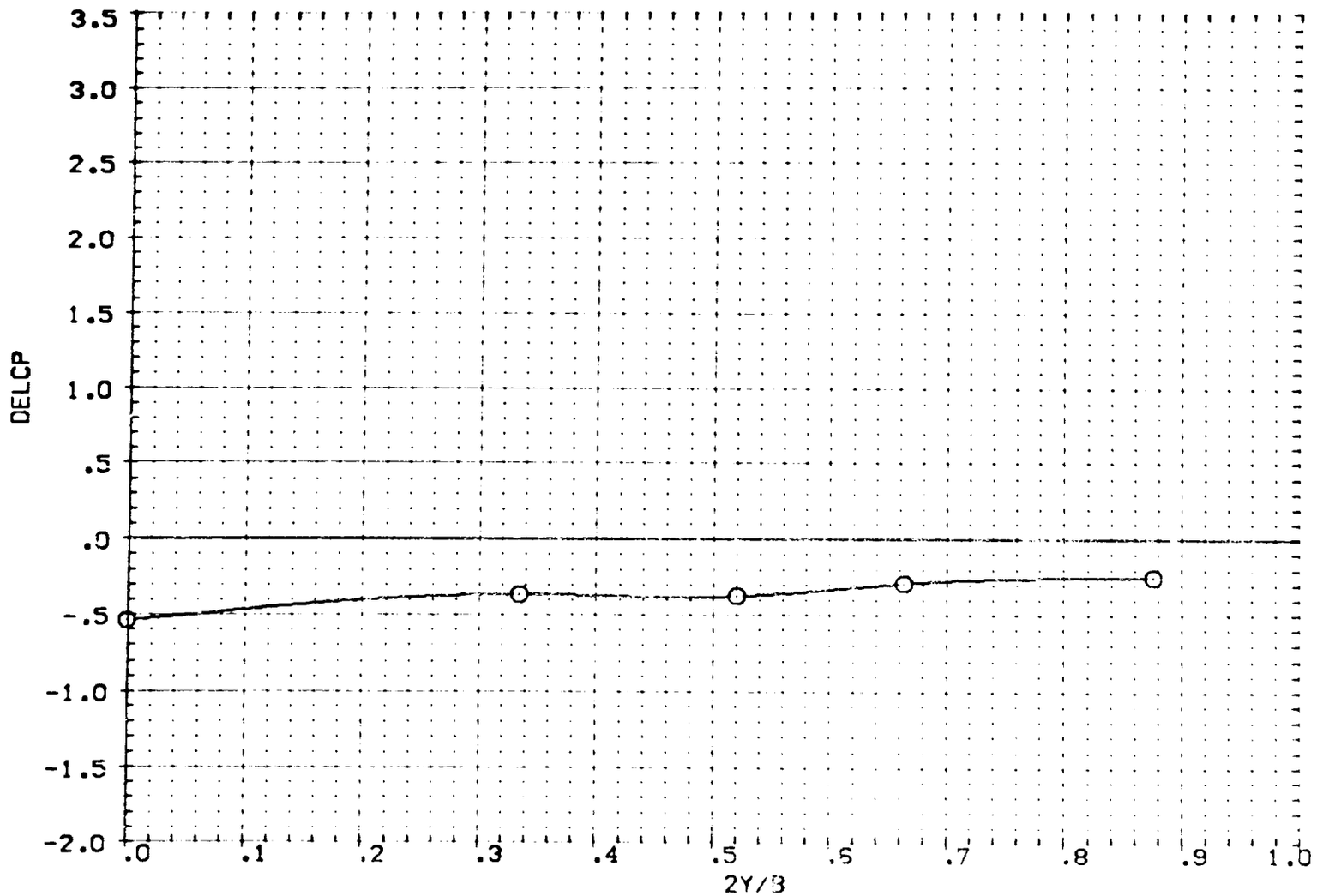


FIG 59 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

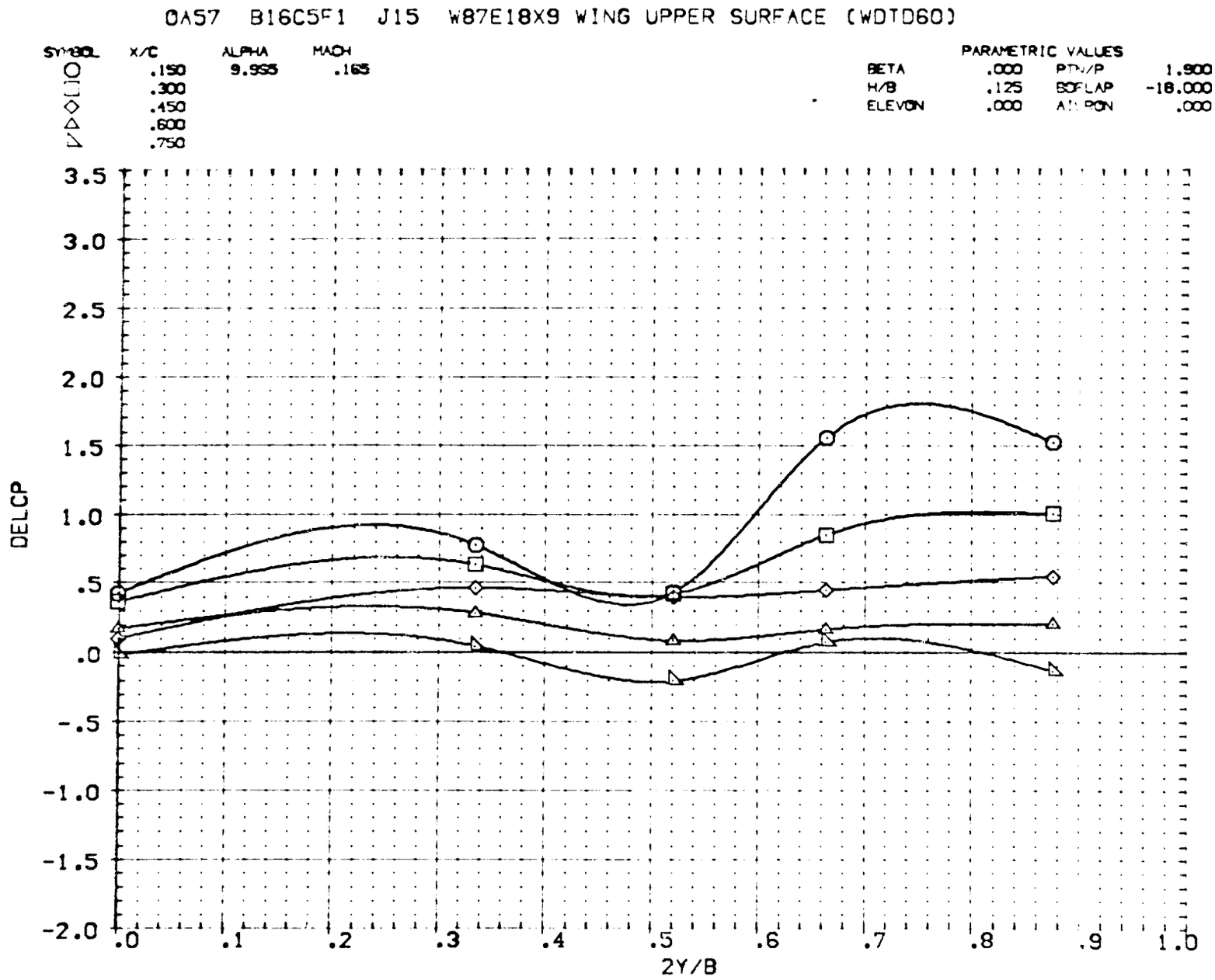


FIG 59 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD60)

SYMBOL	X/C	ALPHA	MACH
O	.900	9.965	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.125	BDFLAP	-18.000
ELEVON	.000	AILRON	.000

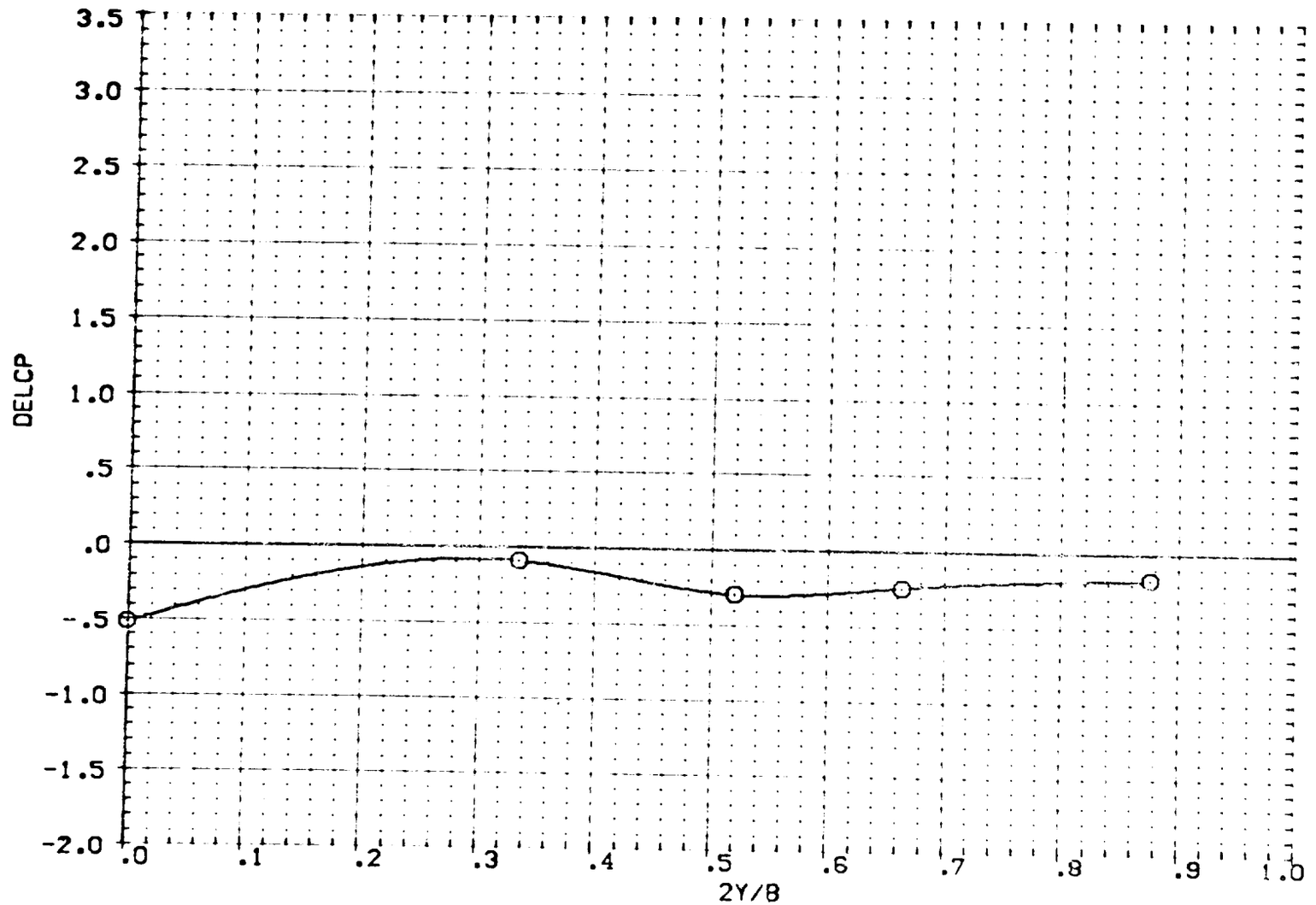


FIG 59 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 0

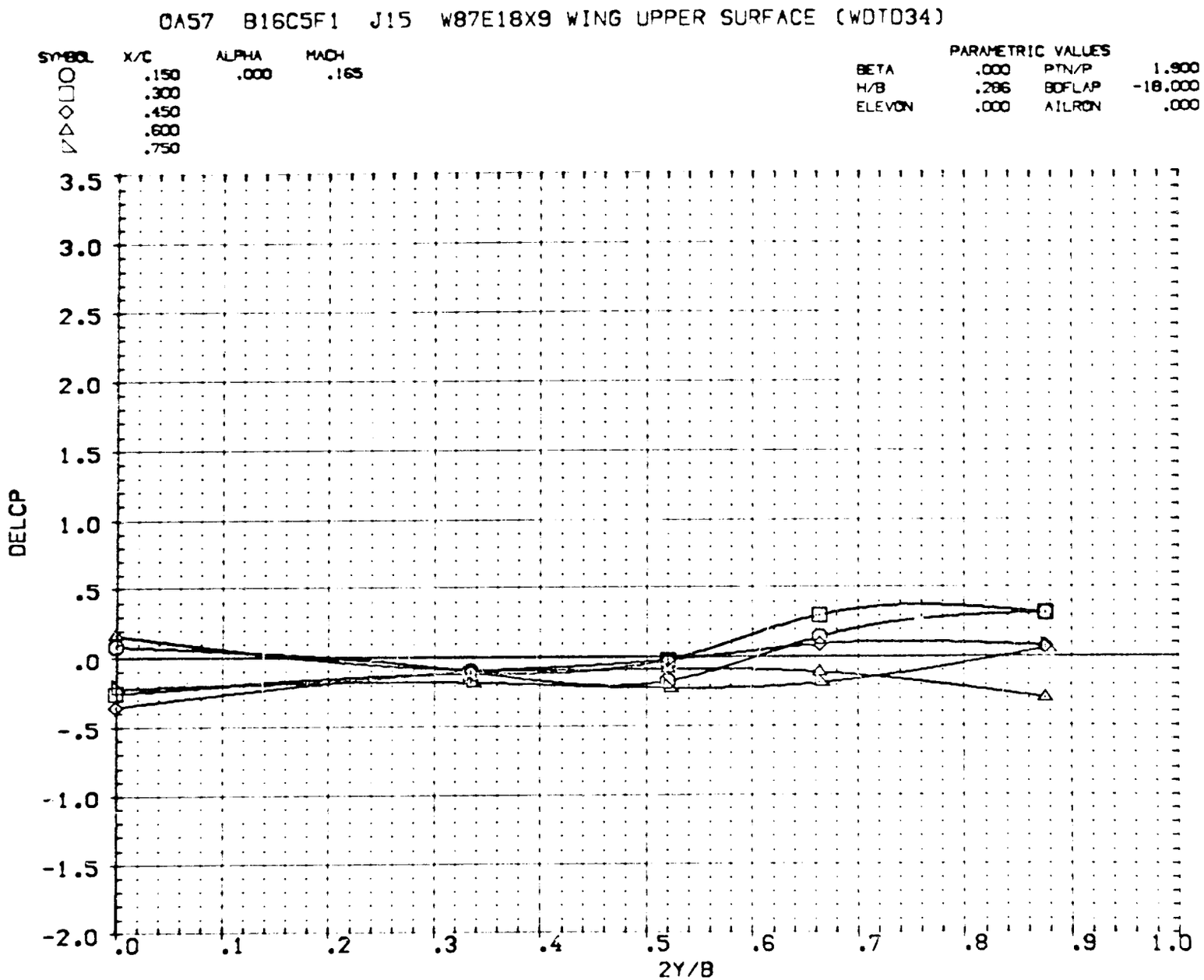


FIG 60 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 0

0A57 816C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD34)

SYMBOL	X/C	ALPHA	MACH
○	.900	.000	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-18.000
ELEVON	.000	AILRON	.000

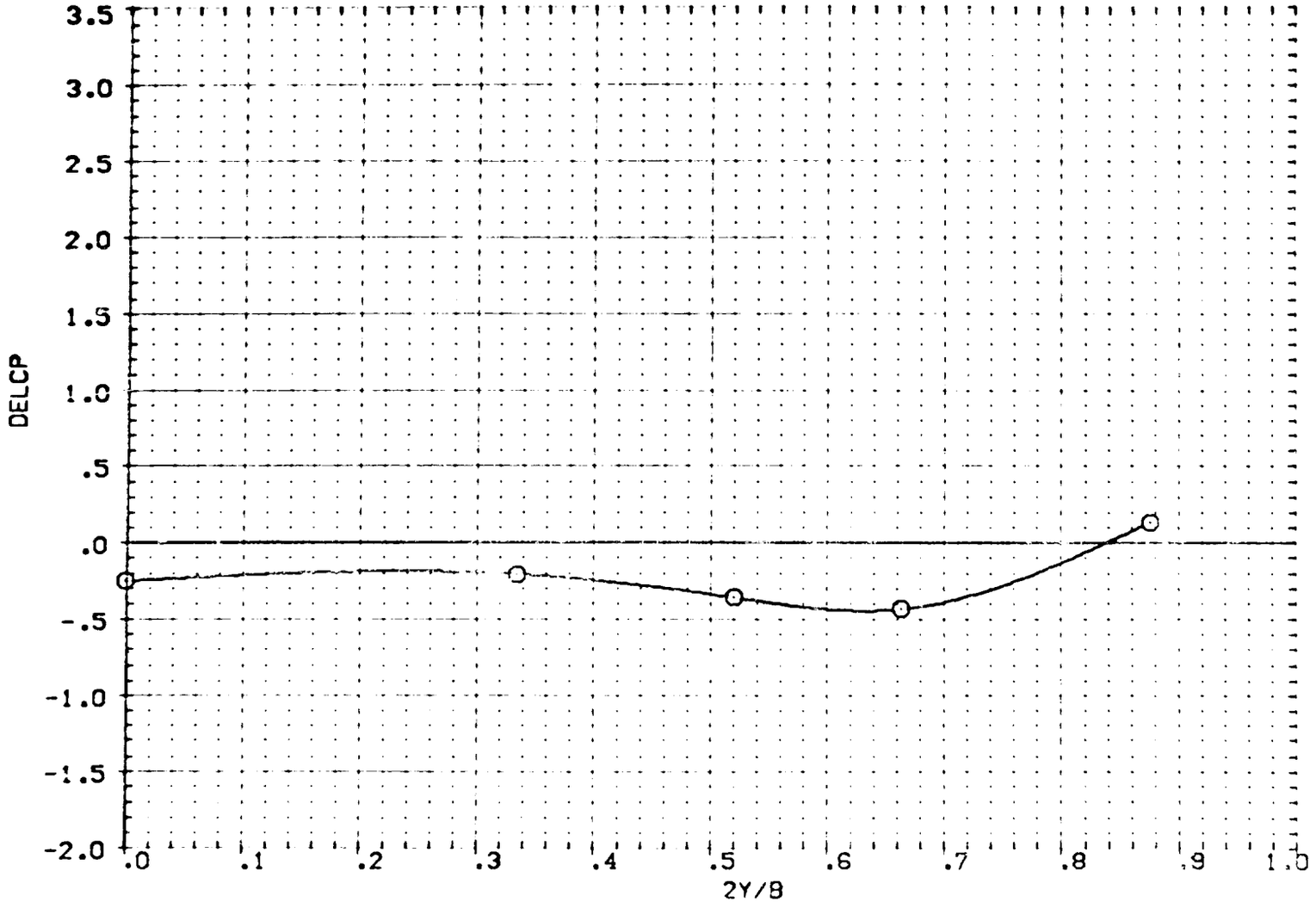


FIG 60 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 0

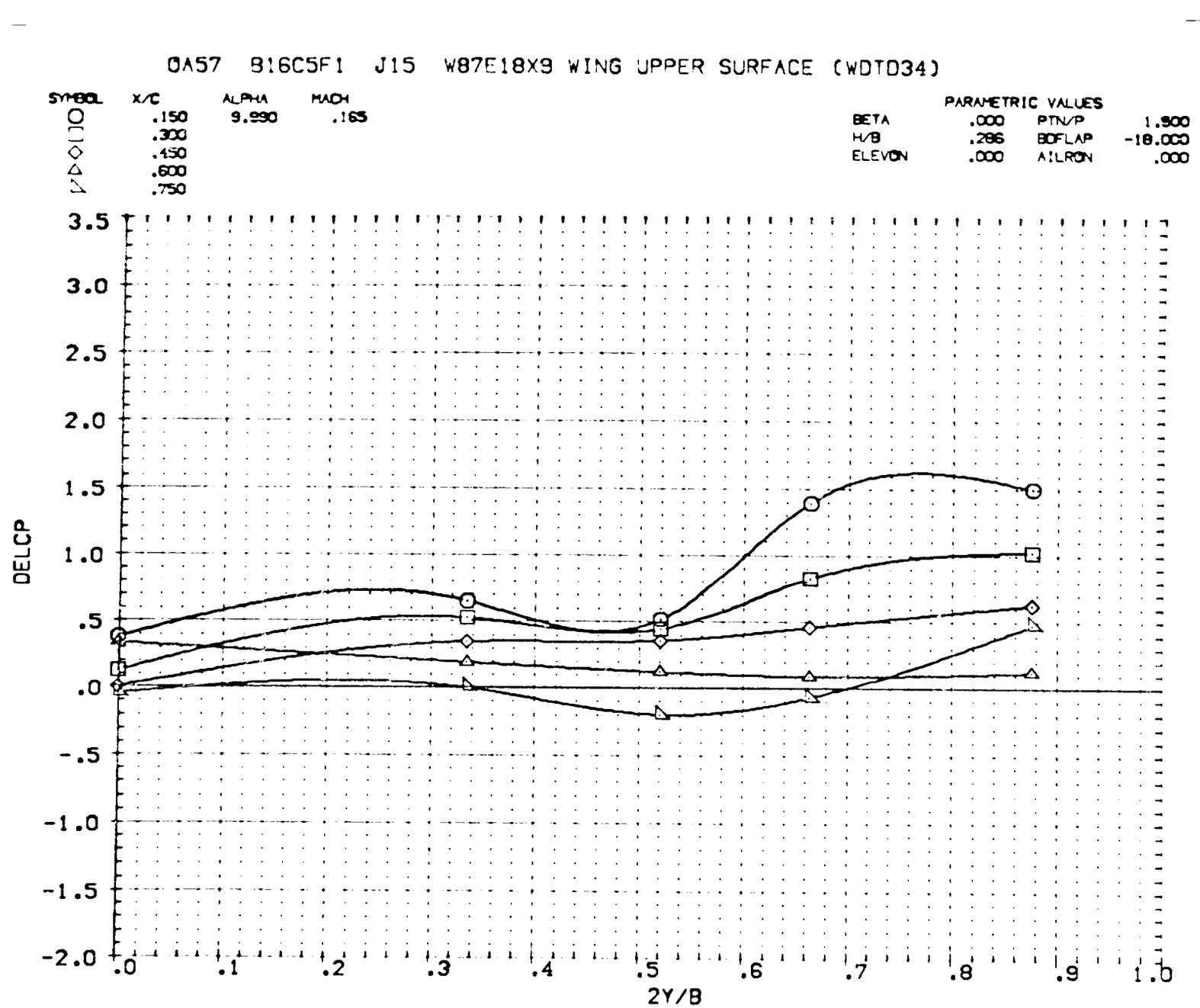


FIG 60 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD34)

SYMBOL	X/C	ALPHA	MACH
O	.900	9.990	.165

PARAMETRIC VALUES

BETA	.000	P/N/P	1.900
H/B	.286	BOFLAP	-18.000
ELEVON	.000	AILRON	.000

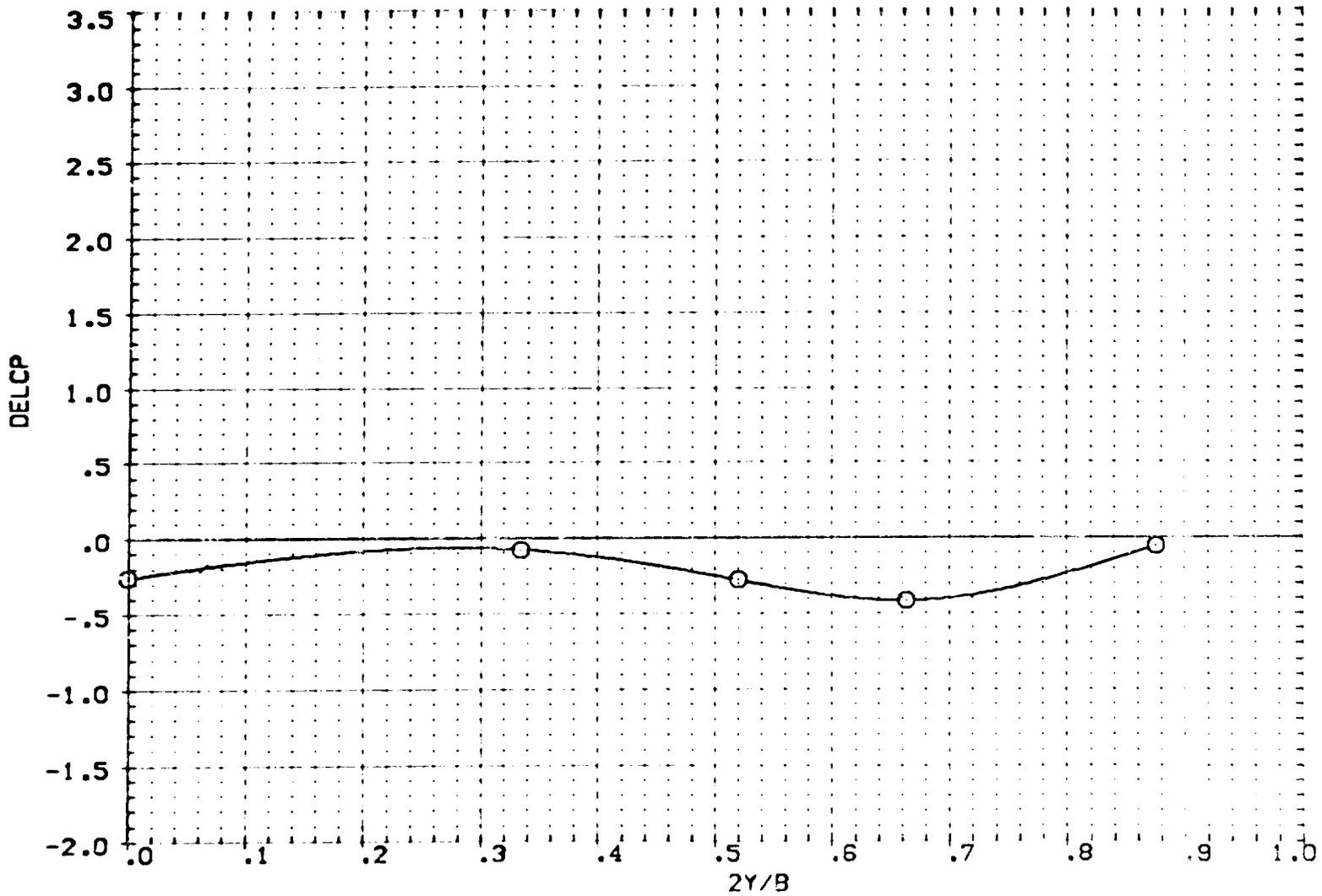


FIG 60 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, EL /C\= 0

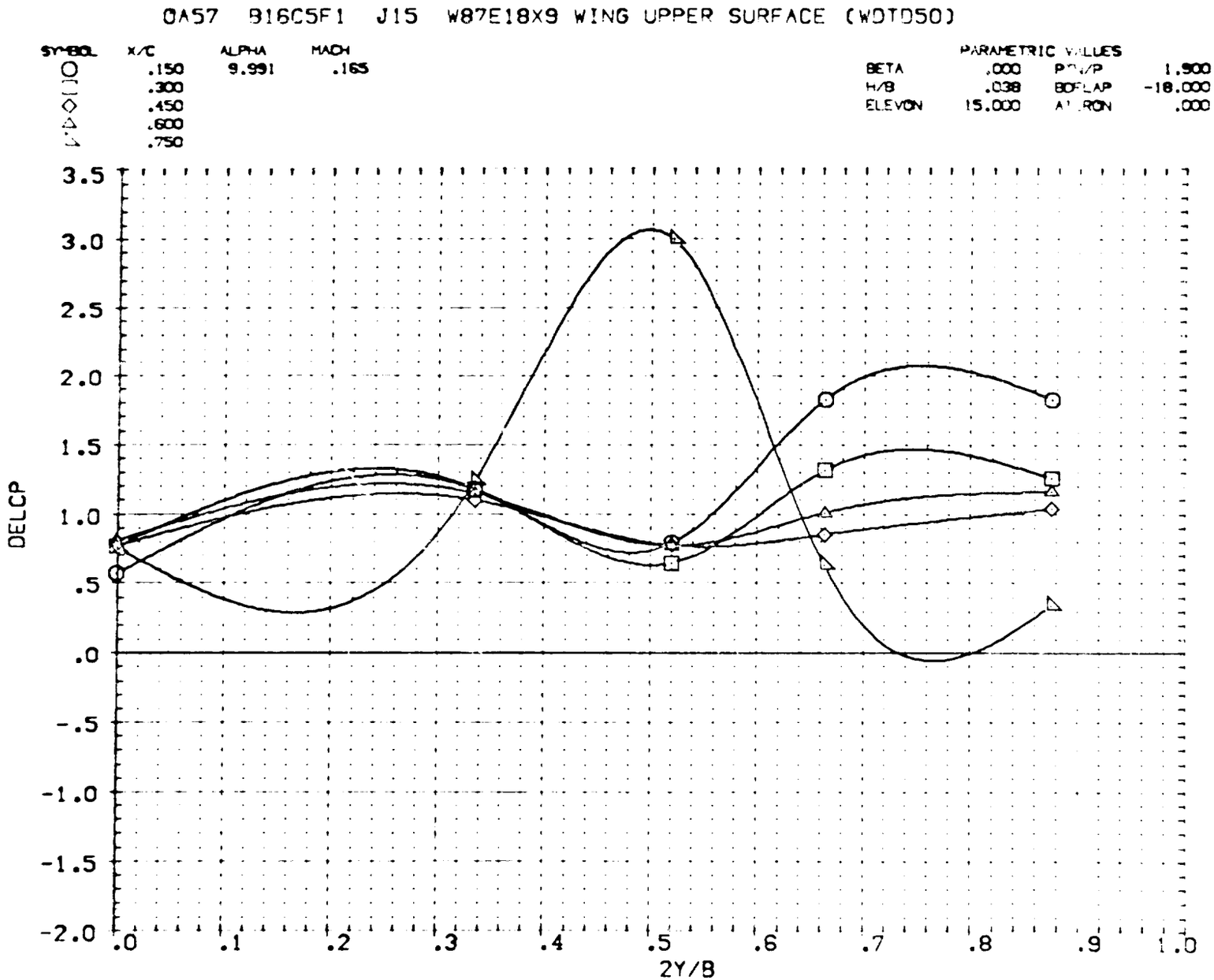


FIG 61 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.038, ELEVON= 15

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD50)

SYMBOL	X/C	ALPHA	MACH
O	.900	9.991	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.038	BOFLAP	-18.000
ELEVON	15.000	AILRON	.000

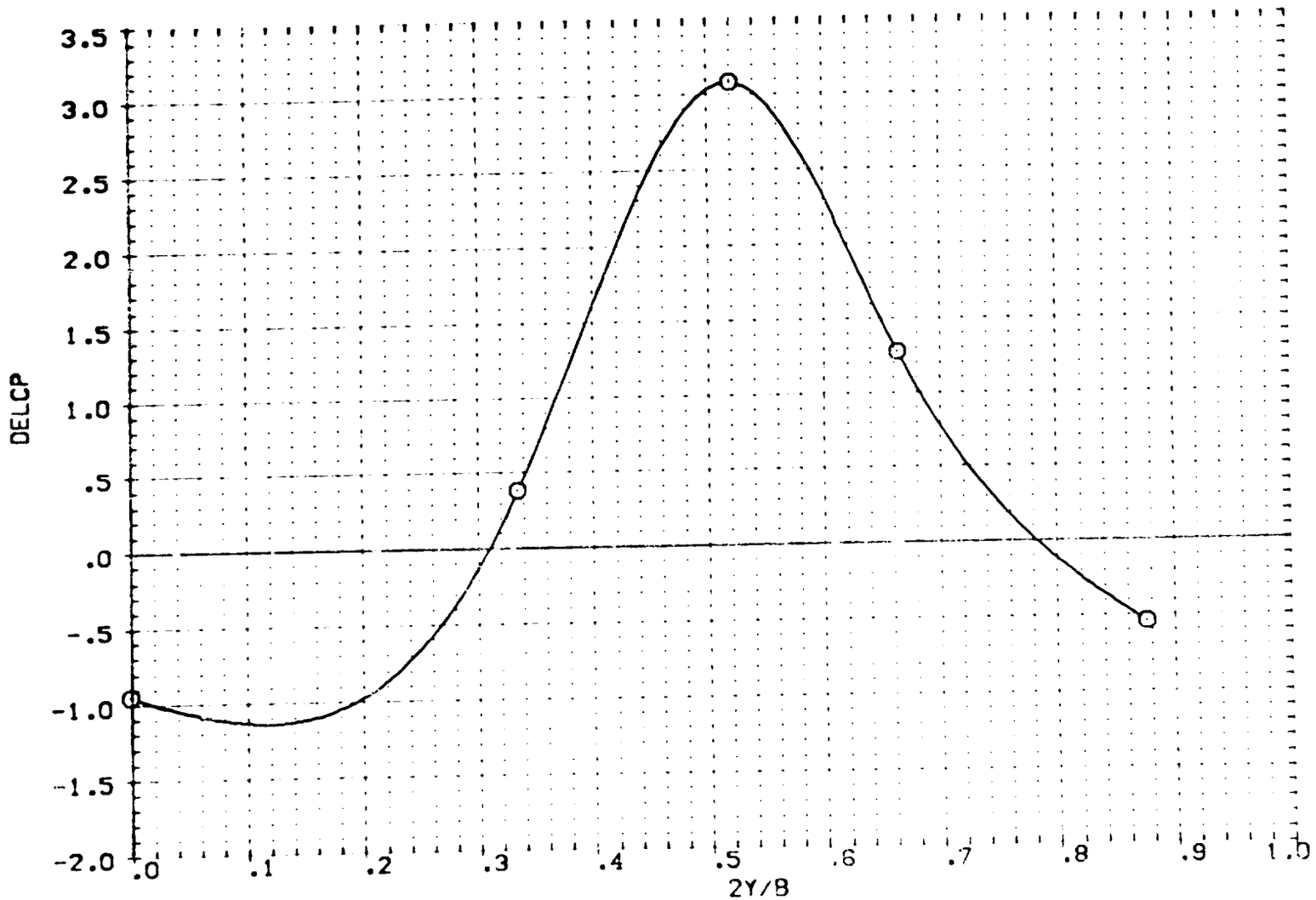


FIG 61 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.038, ELEVON= 15

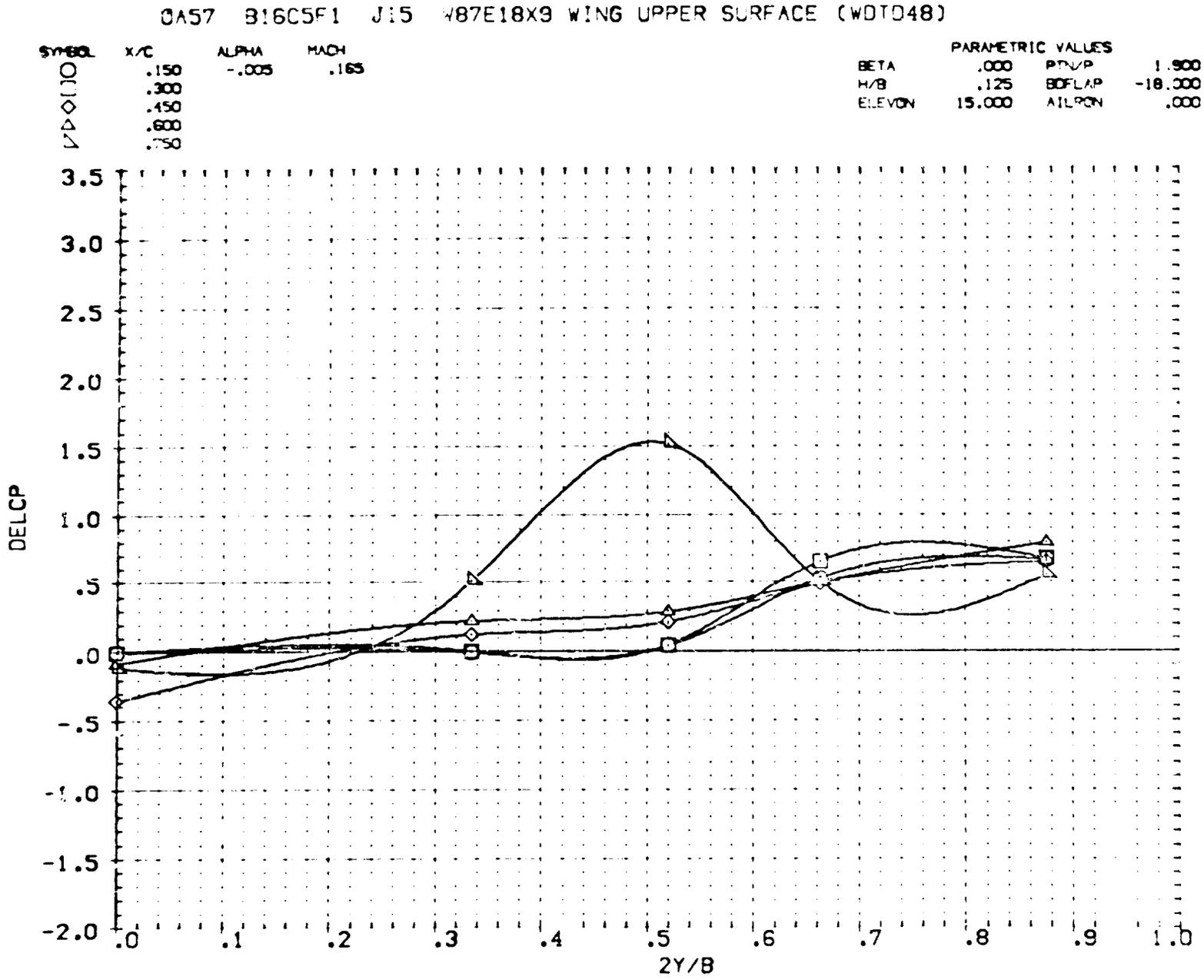


FIG 62 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 15

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD48)

SYMBOL	X/C	ALPHA	MACH
O	.900	-.005	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.125	BOFLAP	-18.000
ELEVON	15.000	AILRON	.000

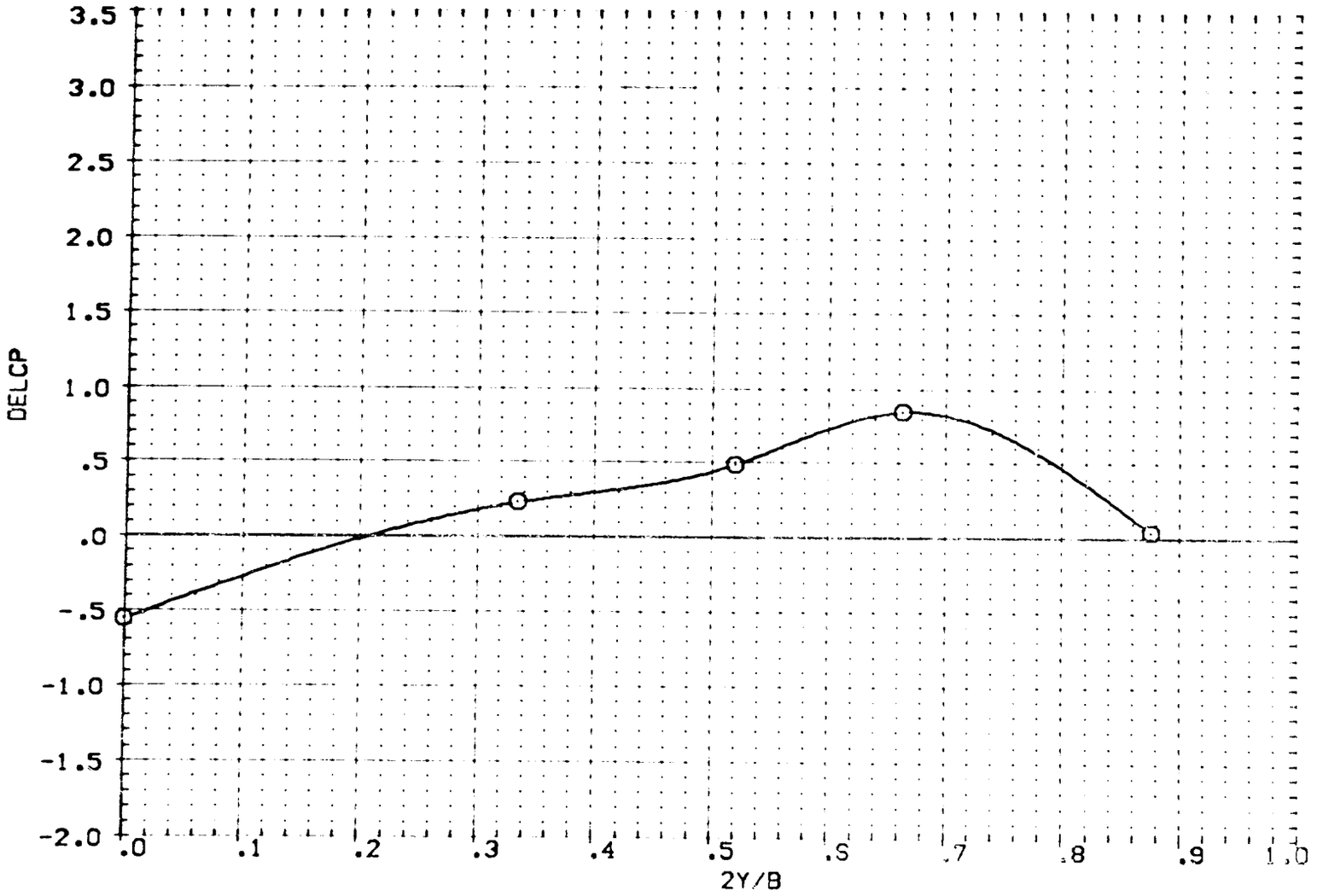


FIG 62 WING DIFFERENTIAL PRESSURE CHORDWISE DIST J15, H/B=.125, ELEVON= 15

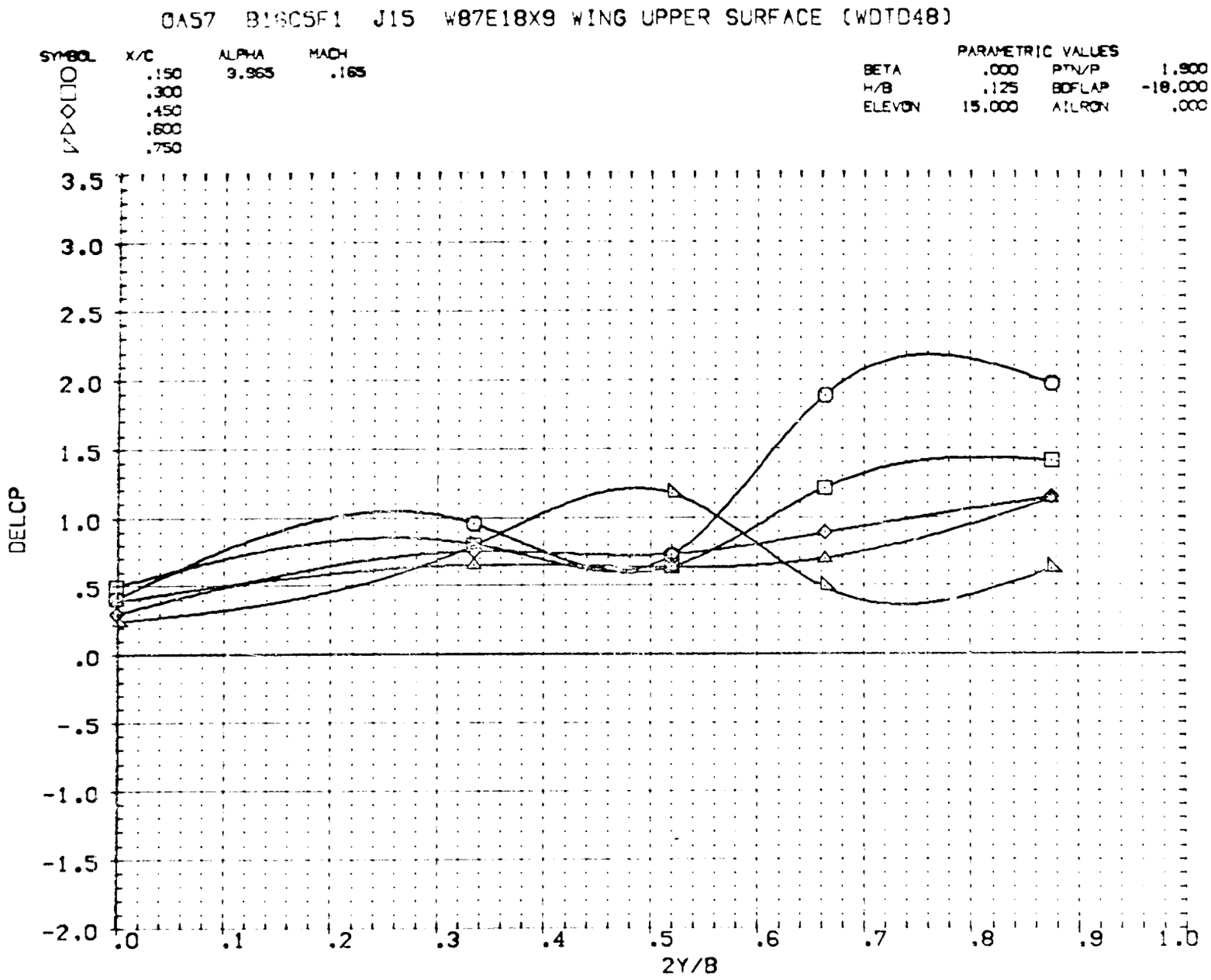


FIG 62 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 15

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD48)

SYMBOL	X/C	ALPHA	MACH
○	.900	9.965	.165

PARAMETRIC VALUES

BETA	.000	PYN/P	1.900
H/B	.125	BOFLAP	-18.000
ELEVON	15.000	AILRON	.000

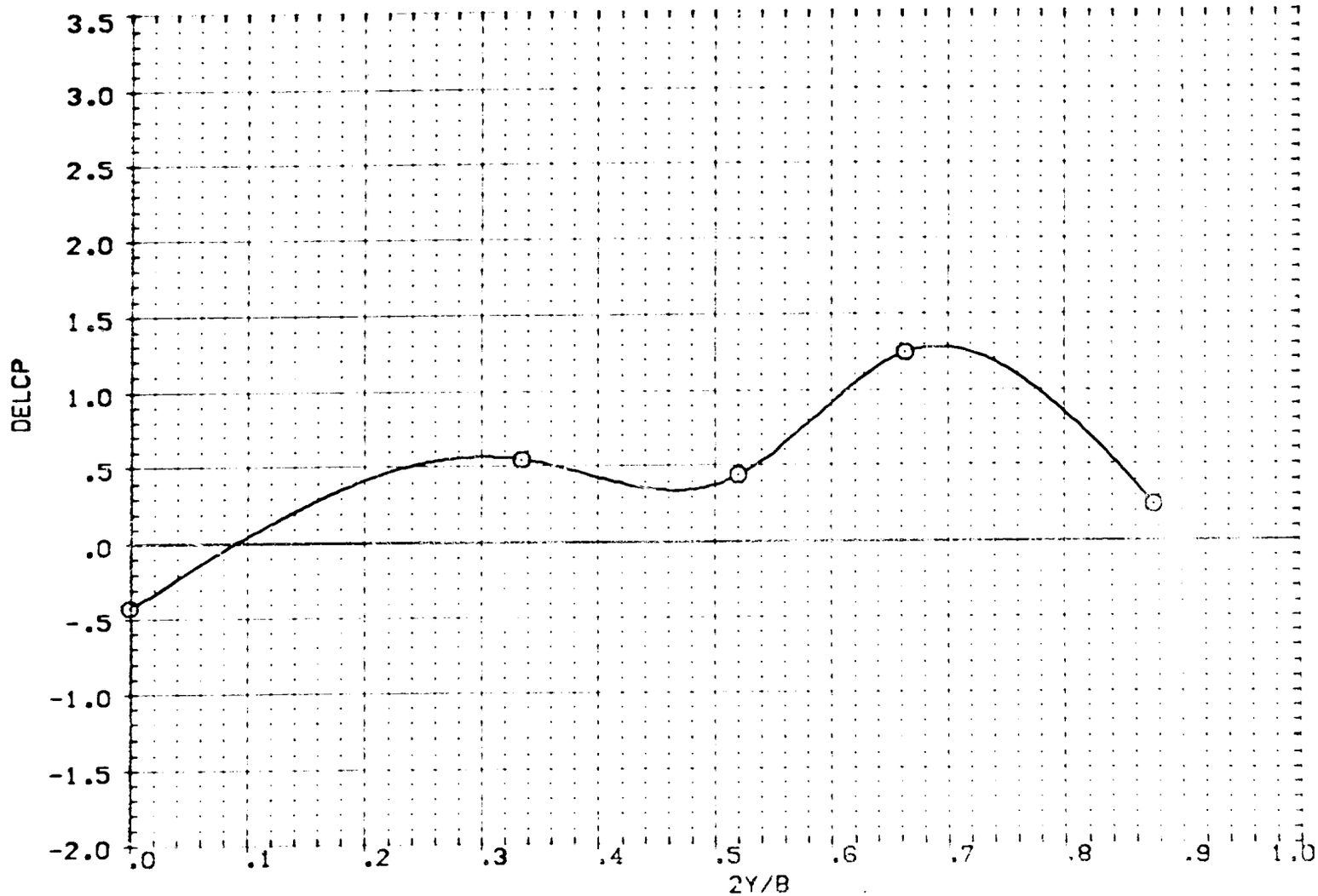


FIG 62 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.125, ELEVON= 15

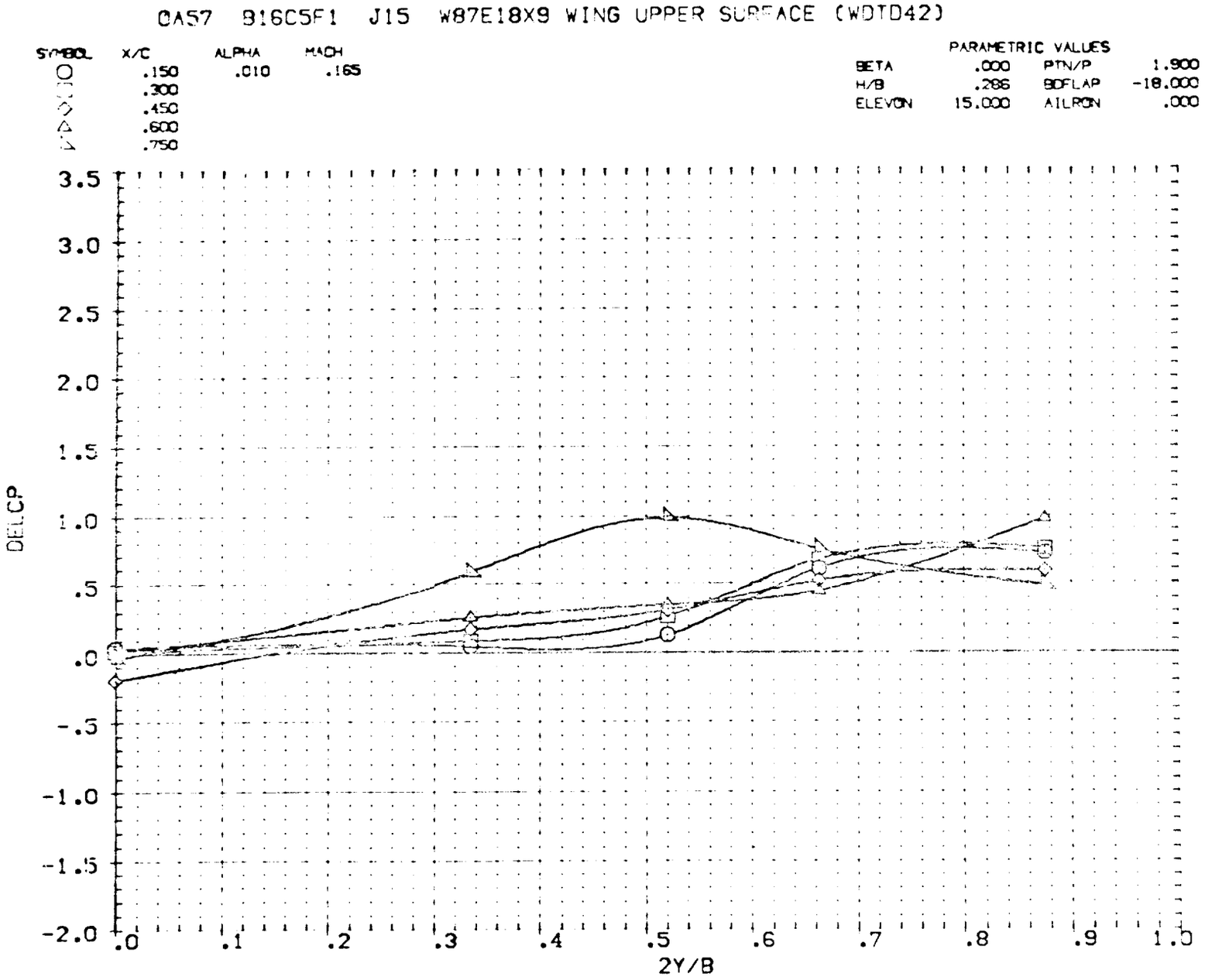


FIG 63 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 15

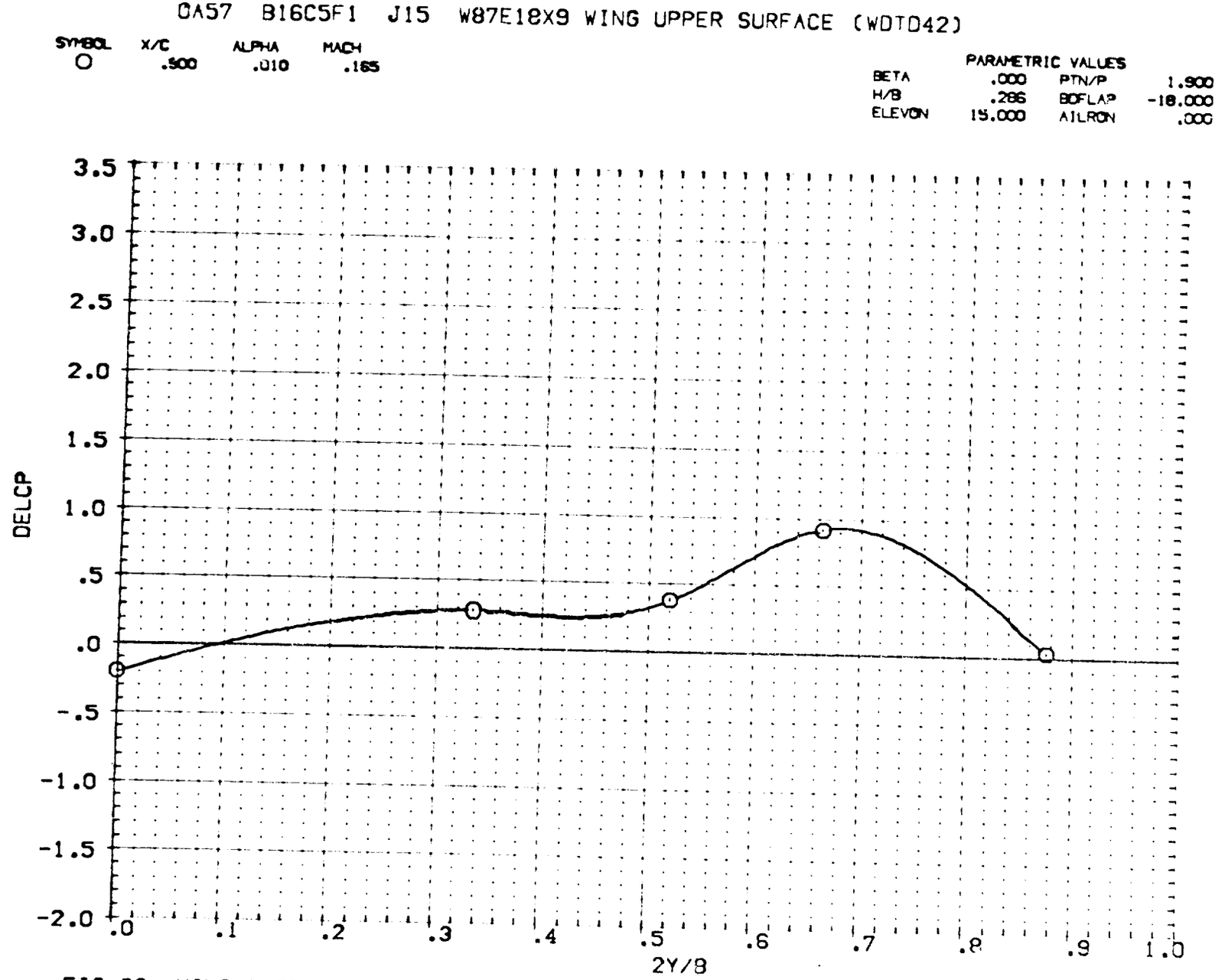


FIG 63 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 15

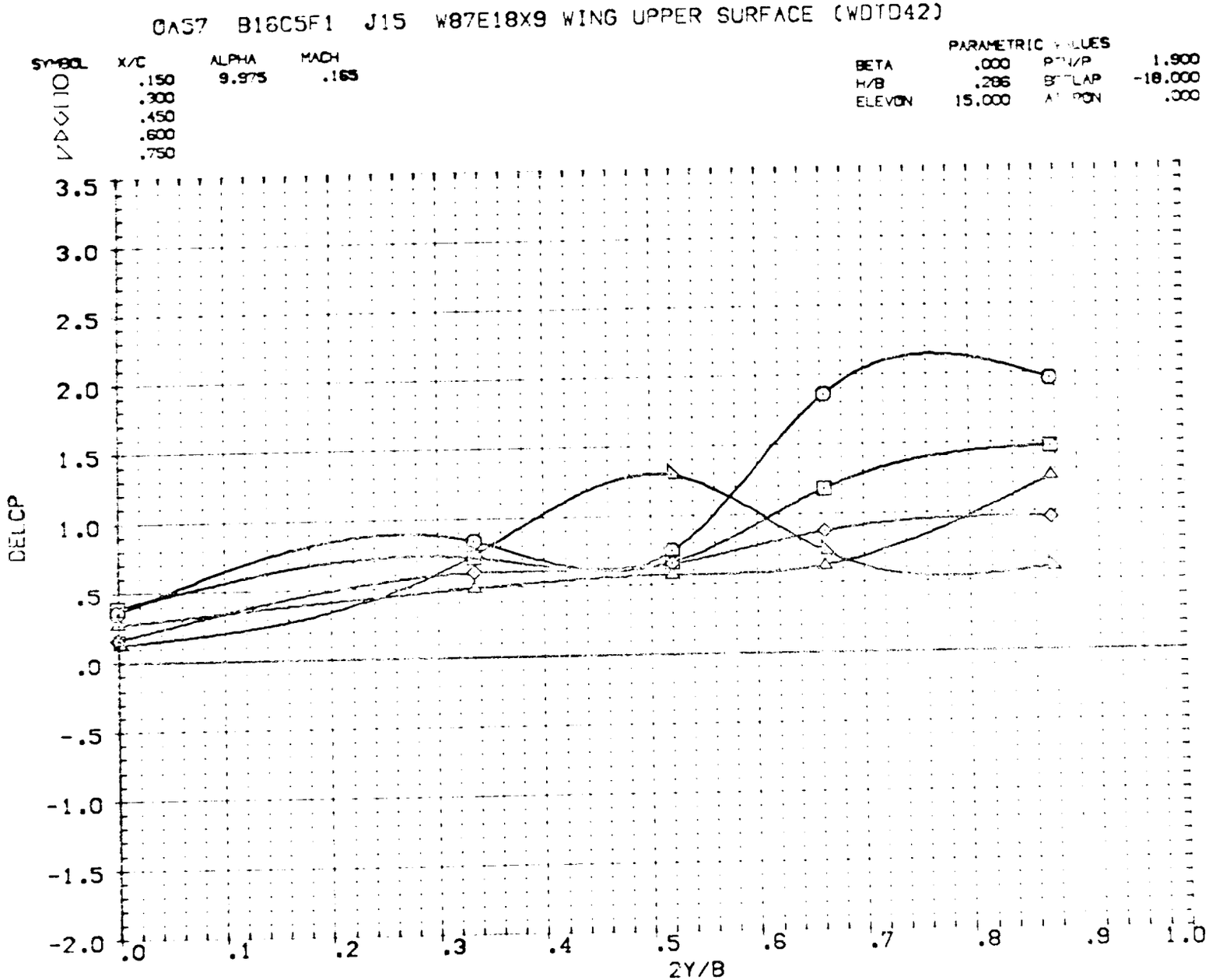


FIG 63 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 15

0A57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD42)

SYMBOL	X/C	ALPHA	MACH
O	.900	9.975	.165

PARAMETRIC VALUES

BETA	.000	PTN/P	1.900
H/B	.286	BOFLAP	-10.000
ELEVON	15.000	AILRON	.000

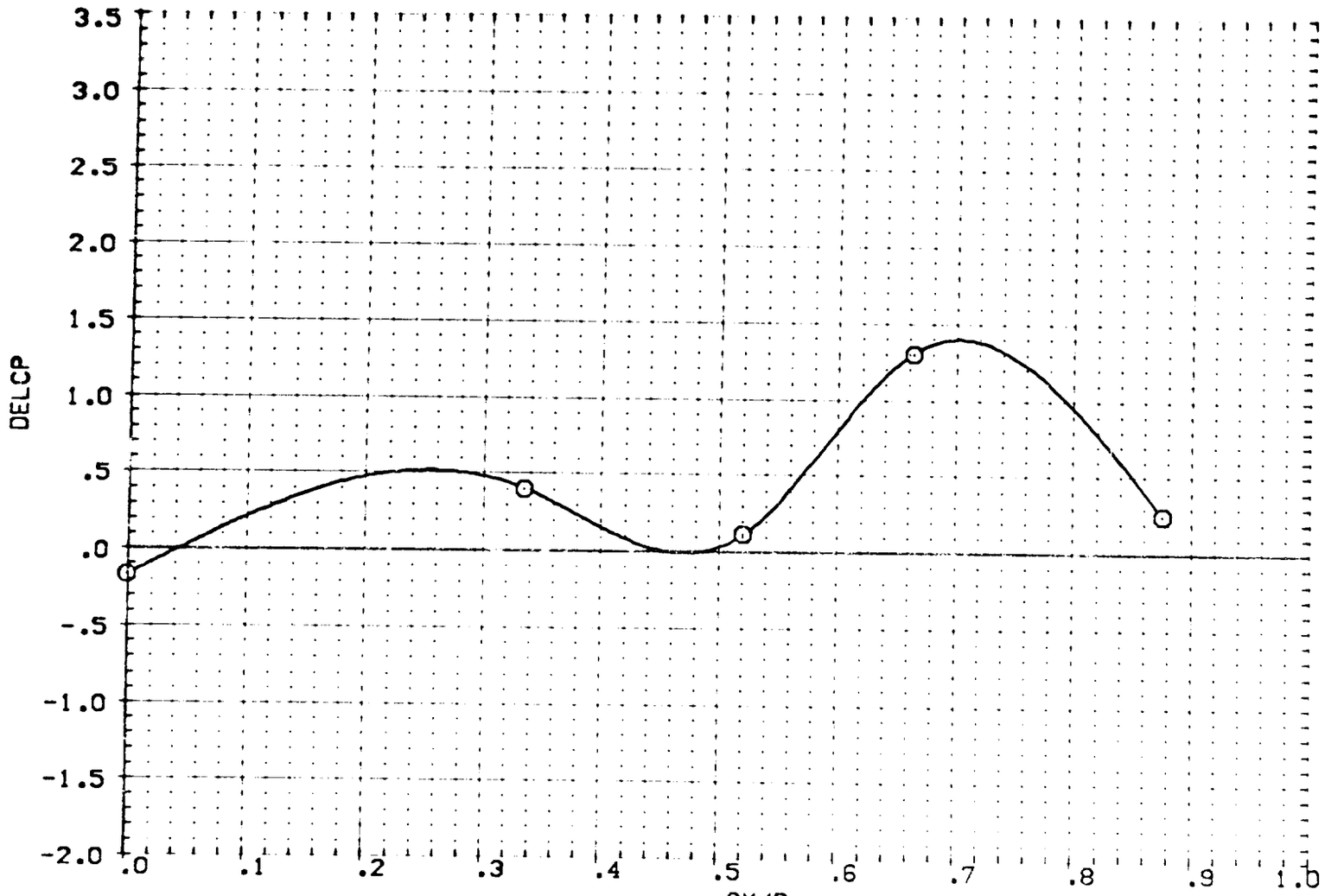


FIG 63 WING DIFFERENTIAL PRESSURE CHORDWISE DISTR J15, H/B=.286, ELEVON= 15

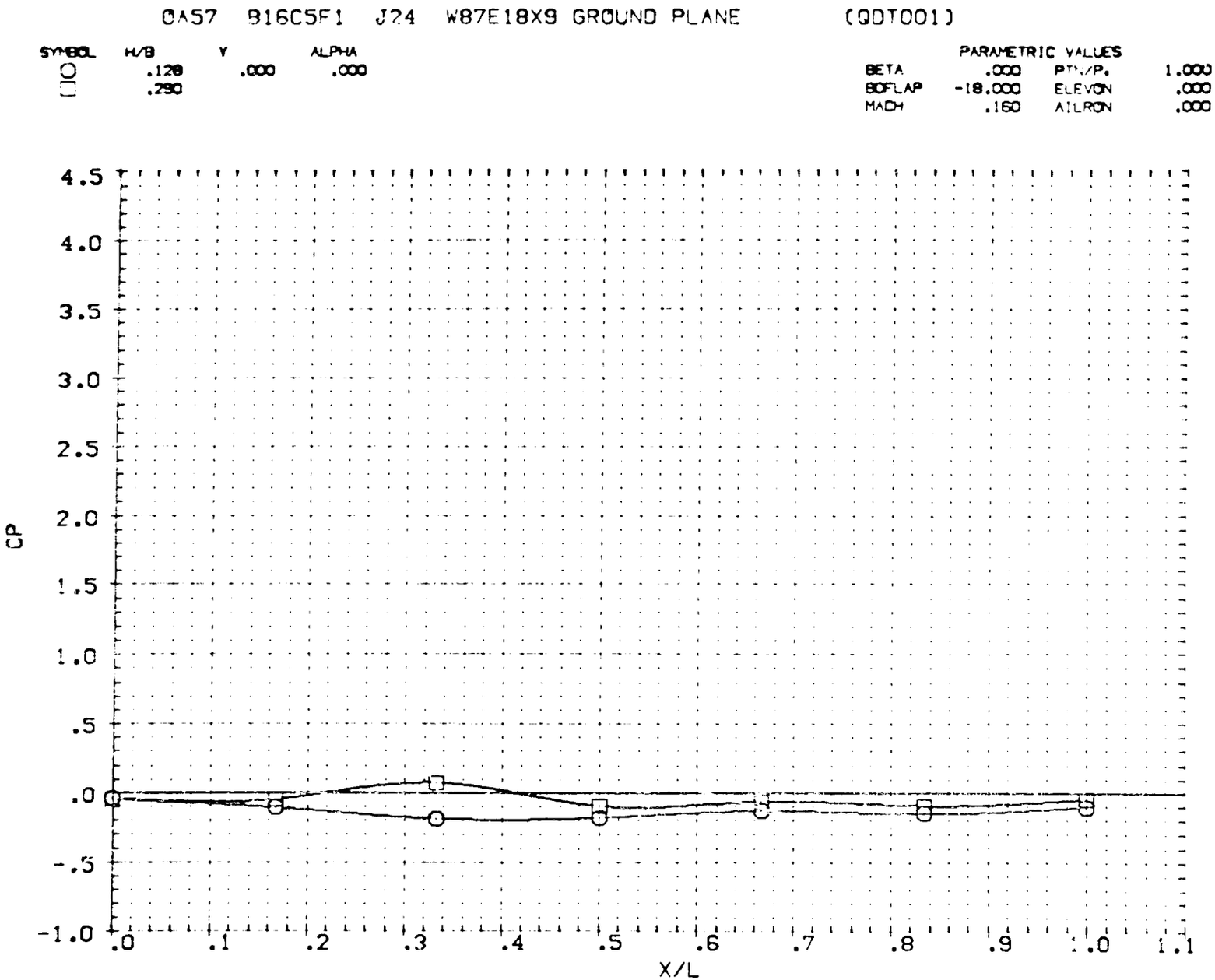


FIG 64 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT001)

SYMBOL	H/B	Y	ALPHA
○	.128	.000	4.900
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

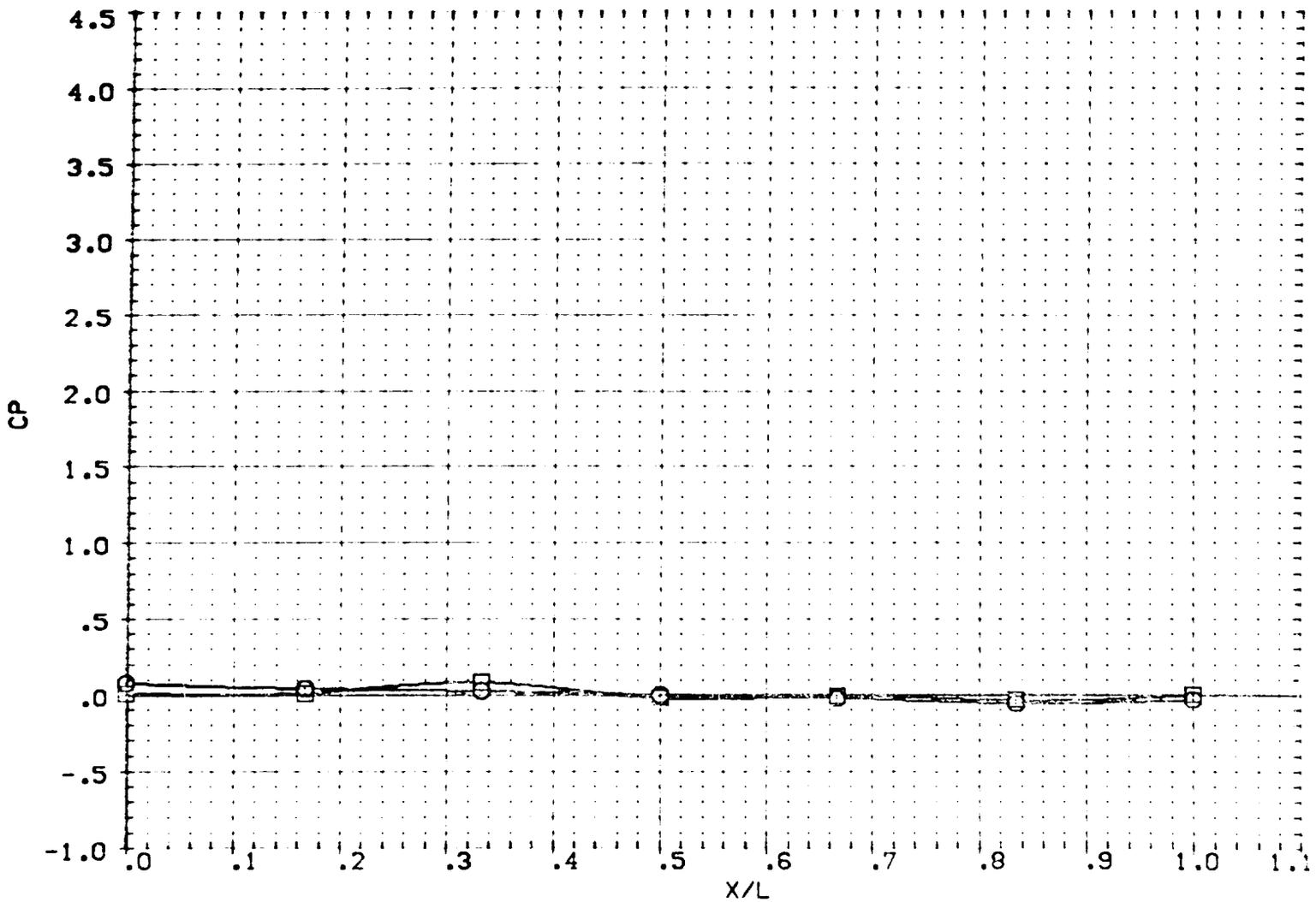


FIG 64 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J21, PTN/P=1.0, ELEVON= 0

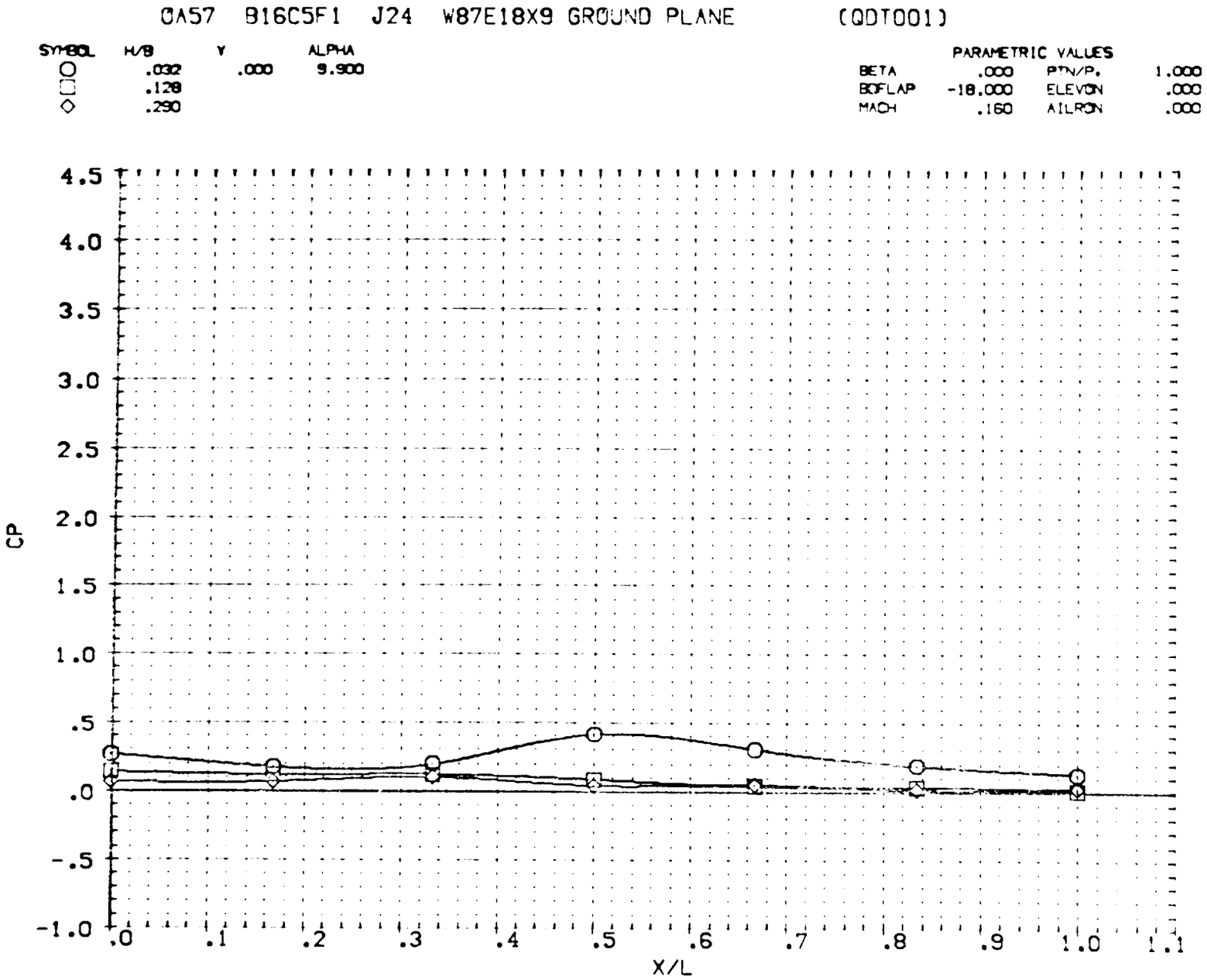


FIG 64 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON= 0

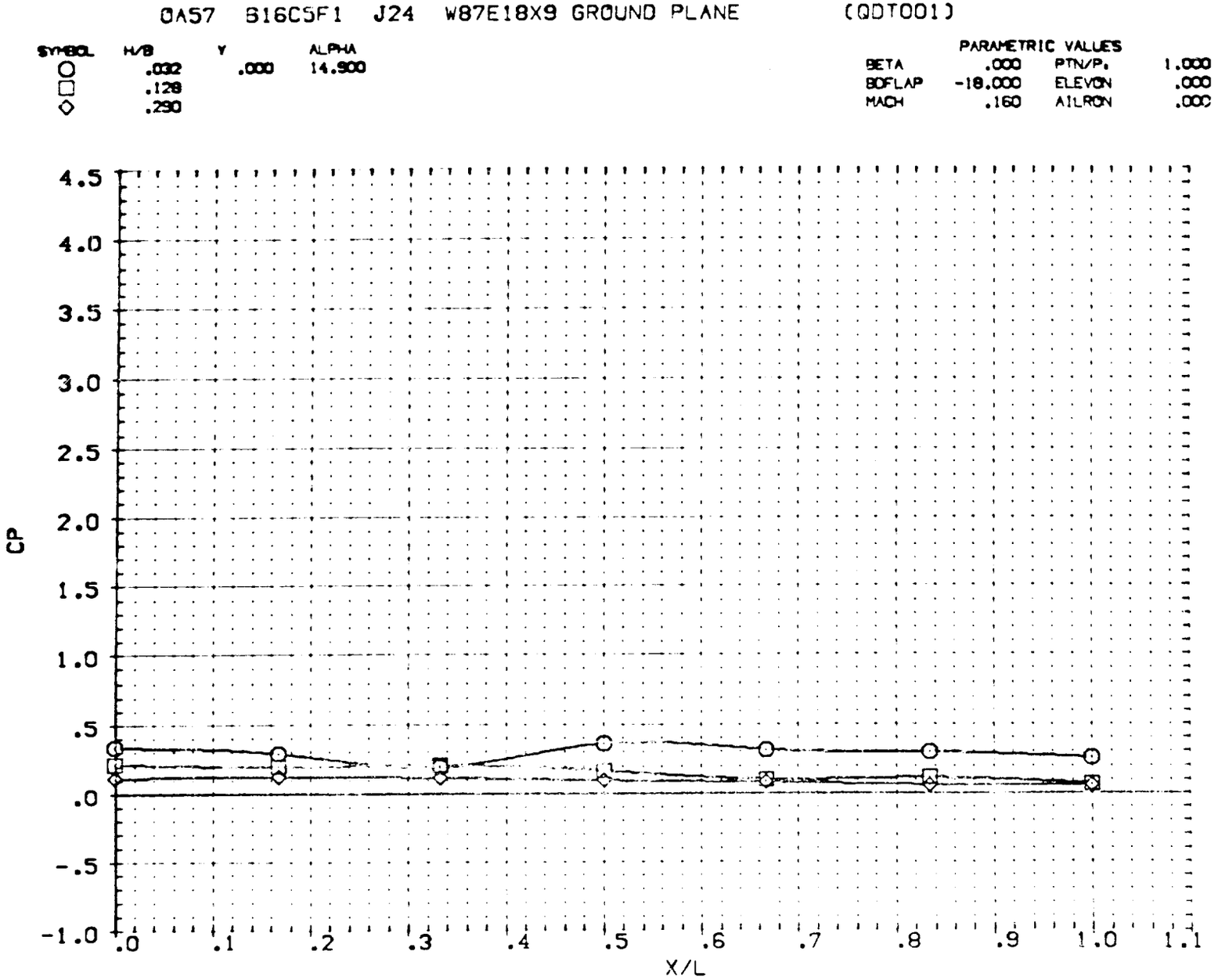


FIG 64 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT002)

SYMBOL	H/B	Y	ALPHA
○	.290	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.300
BDFLAP	-10.000	ELEVON	.000
MACH	.160	AILRON	.000

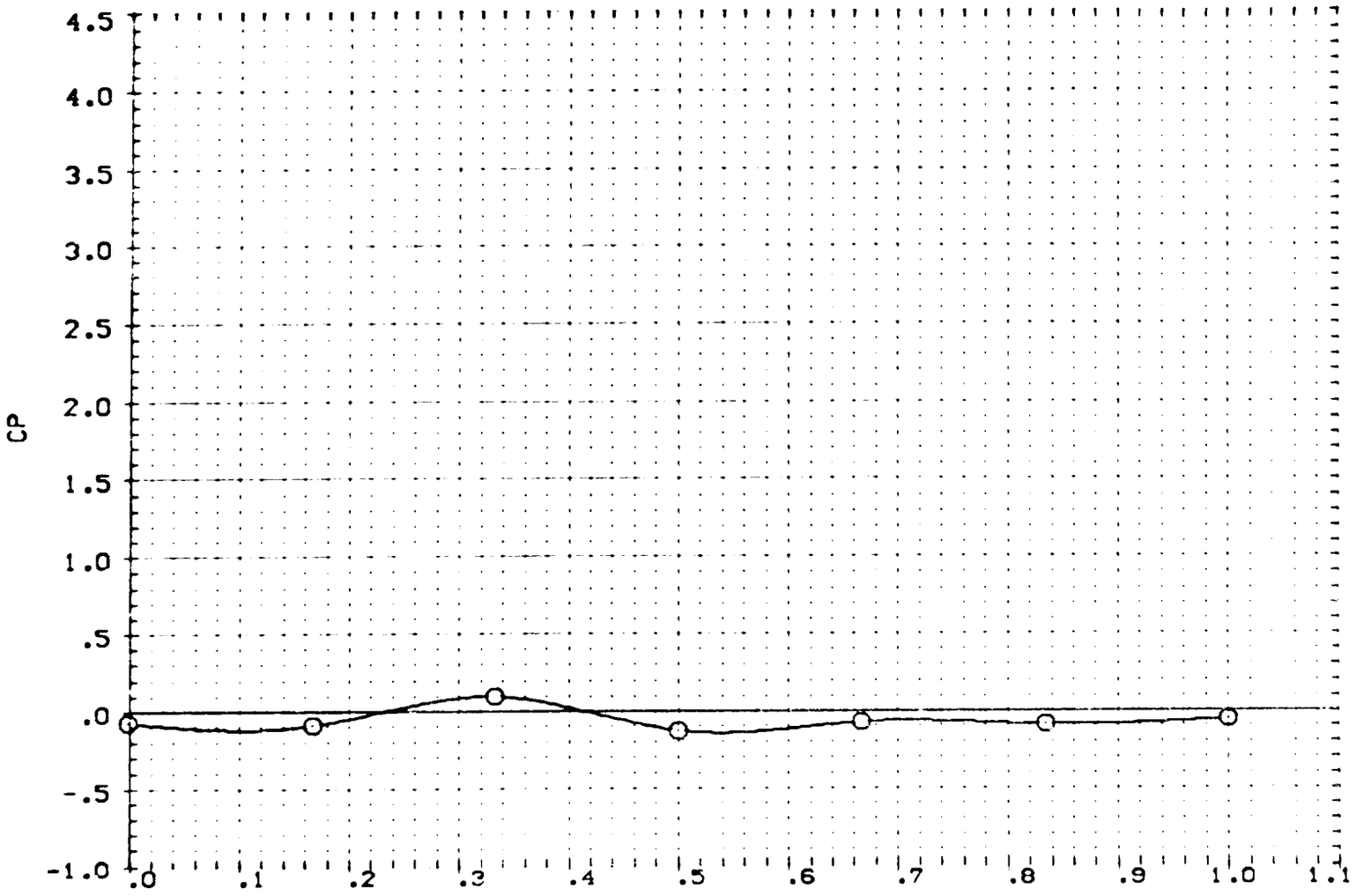


FIG 65 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.3, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT002)

SYMBOL	H/B	Y	ALPHA
O	.250	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.300
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

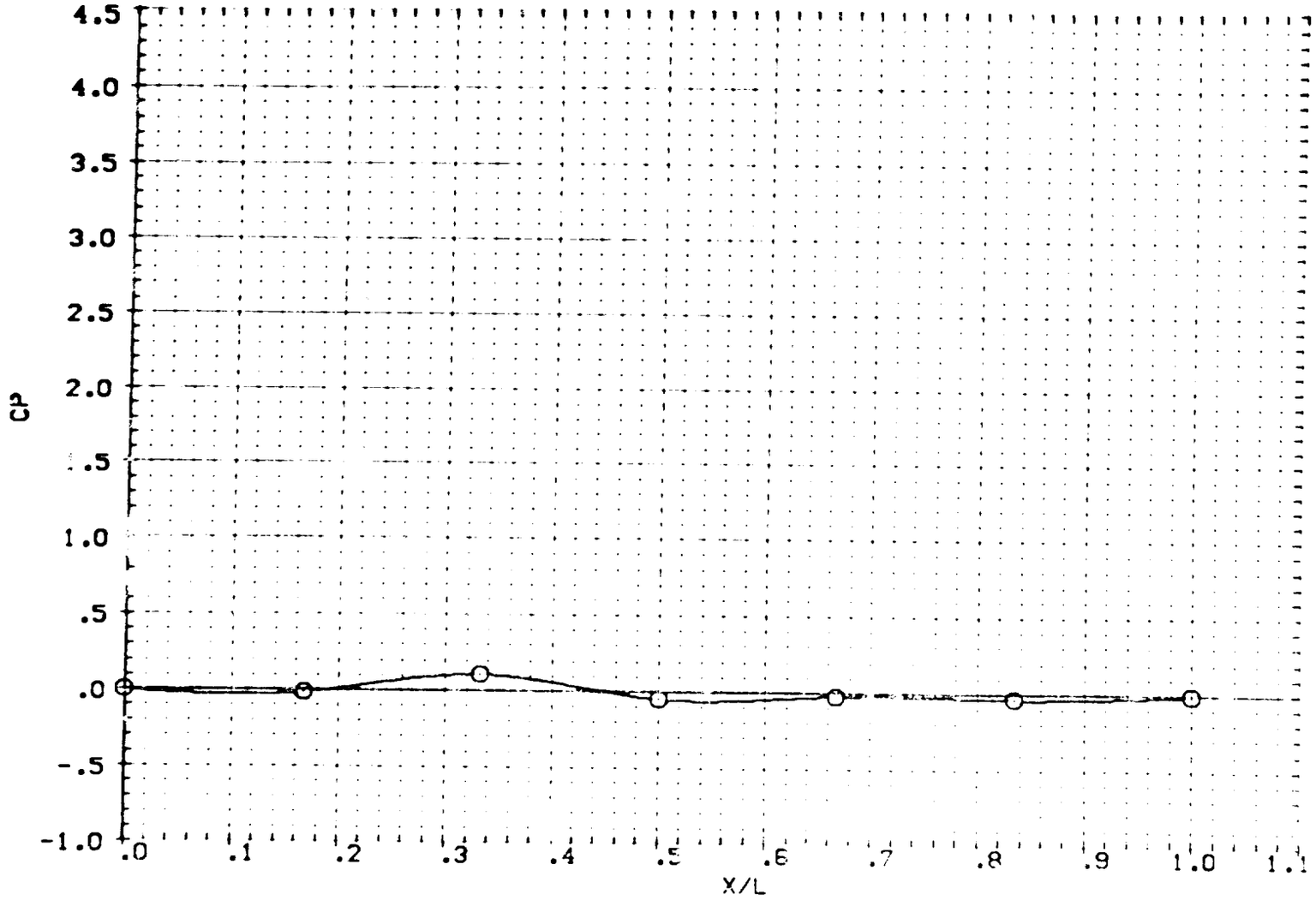


FIG 65 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.3, ELEVON= 0

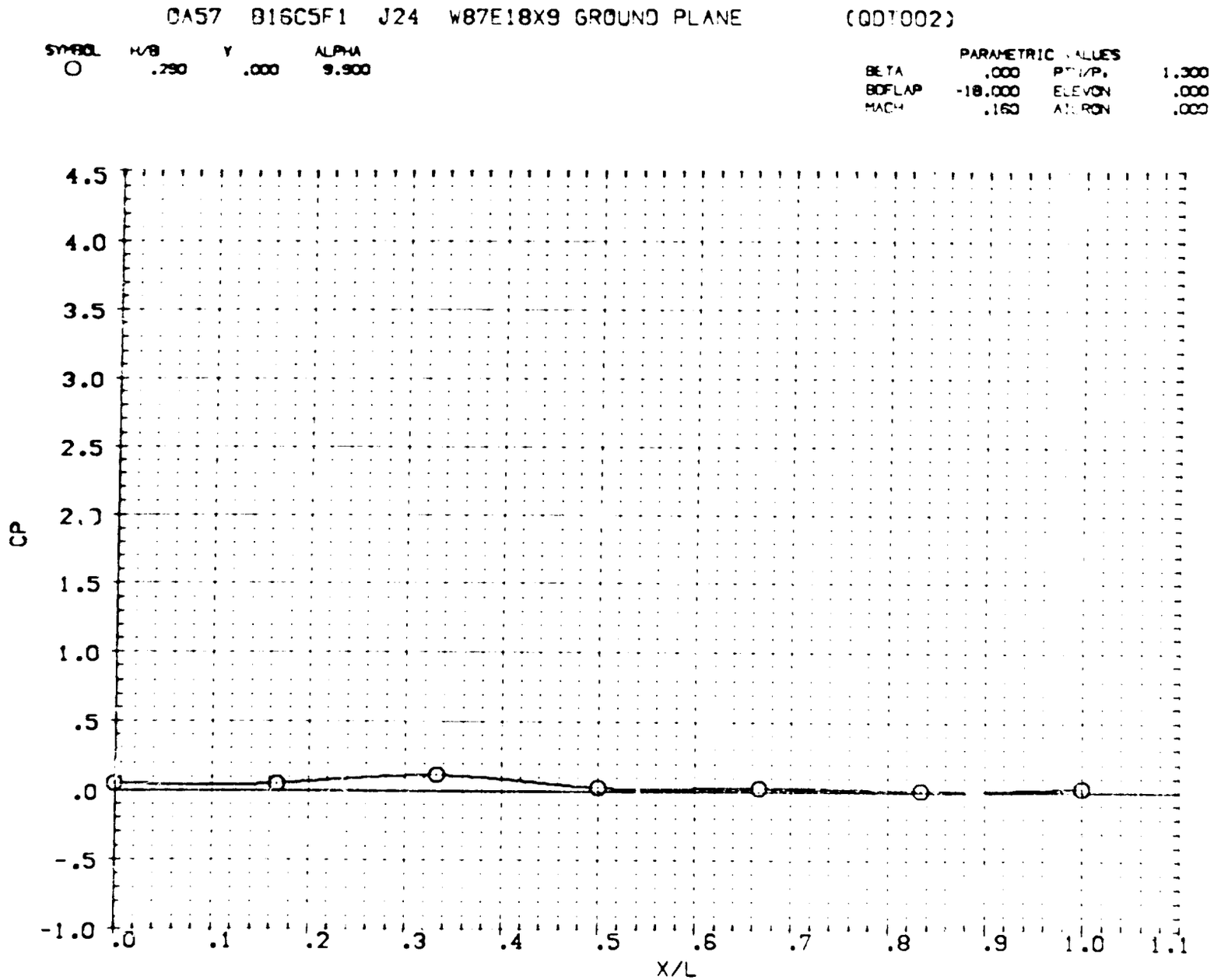


FIG 65 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.3, ELEVON= 0

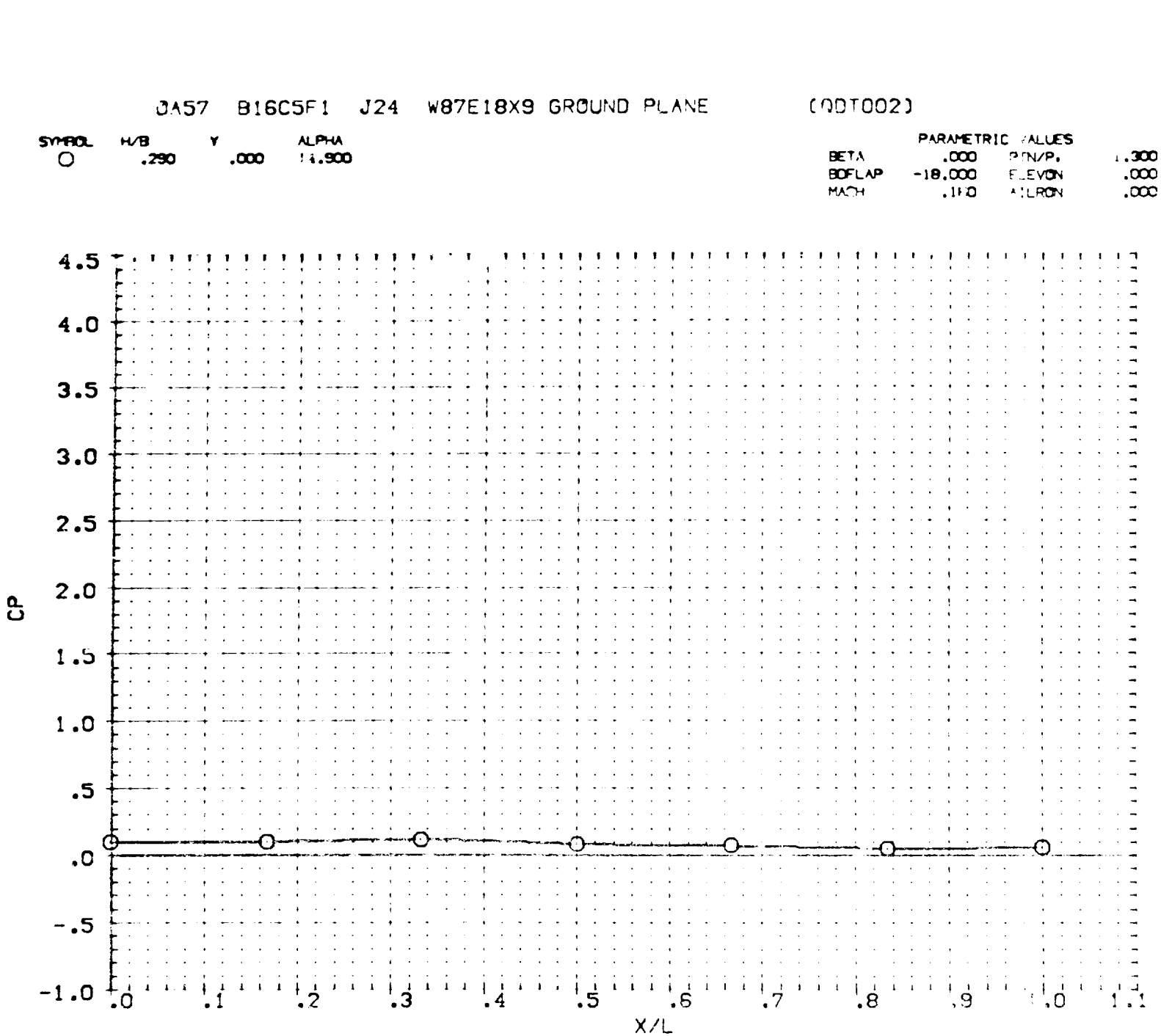


FIG 65 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.3, ELEVON= 0

CA57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT003)

SYMBOL	H/B	Y	ALPHA
○	.128	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.500
BOFLAP	-10.000	ELEVON	.000
MACH	.160	AILRON	.000

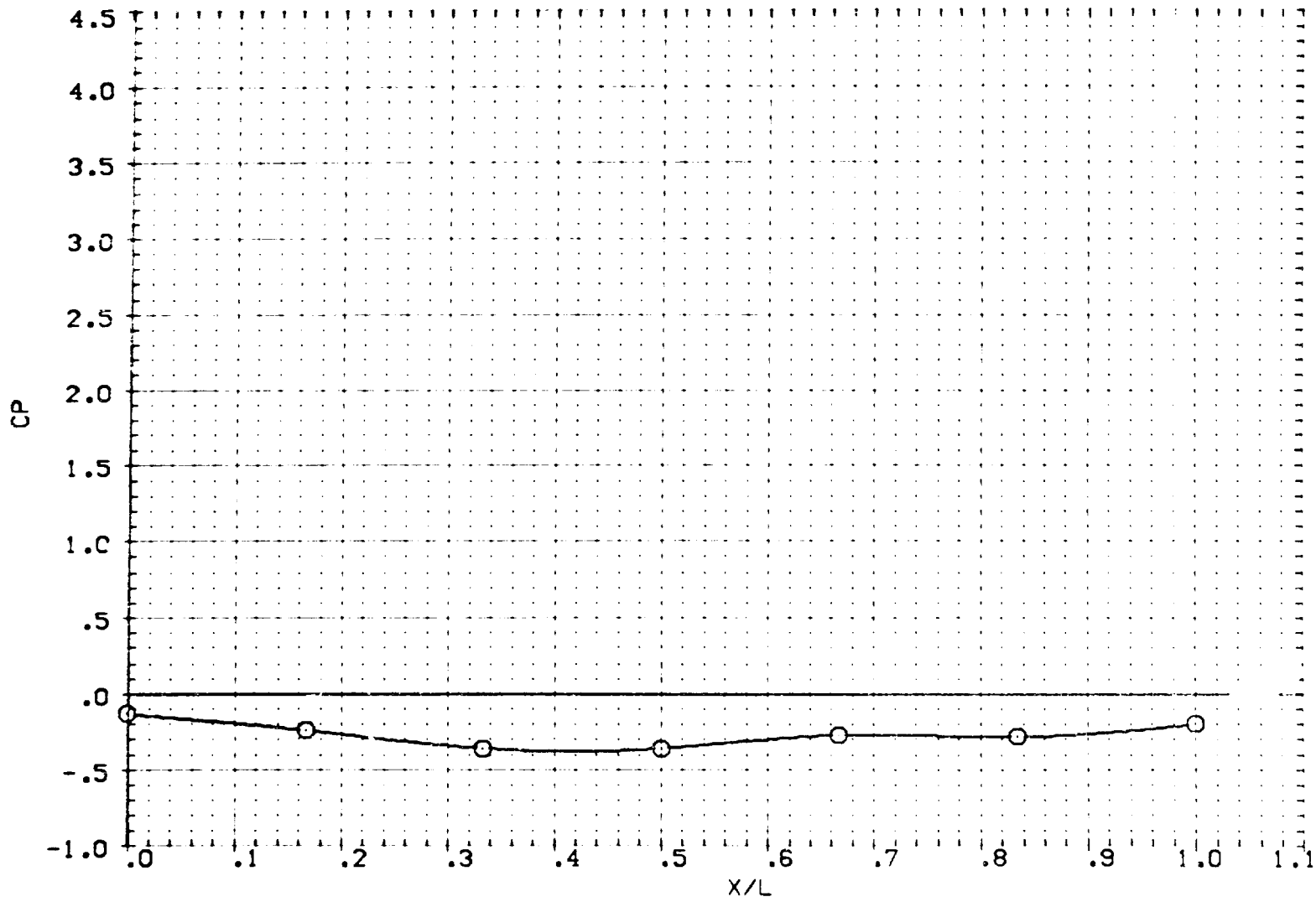


FIG 66 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT003)

SYMBOL	H/B	Y	ALPHA
○	.120	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.500
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

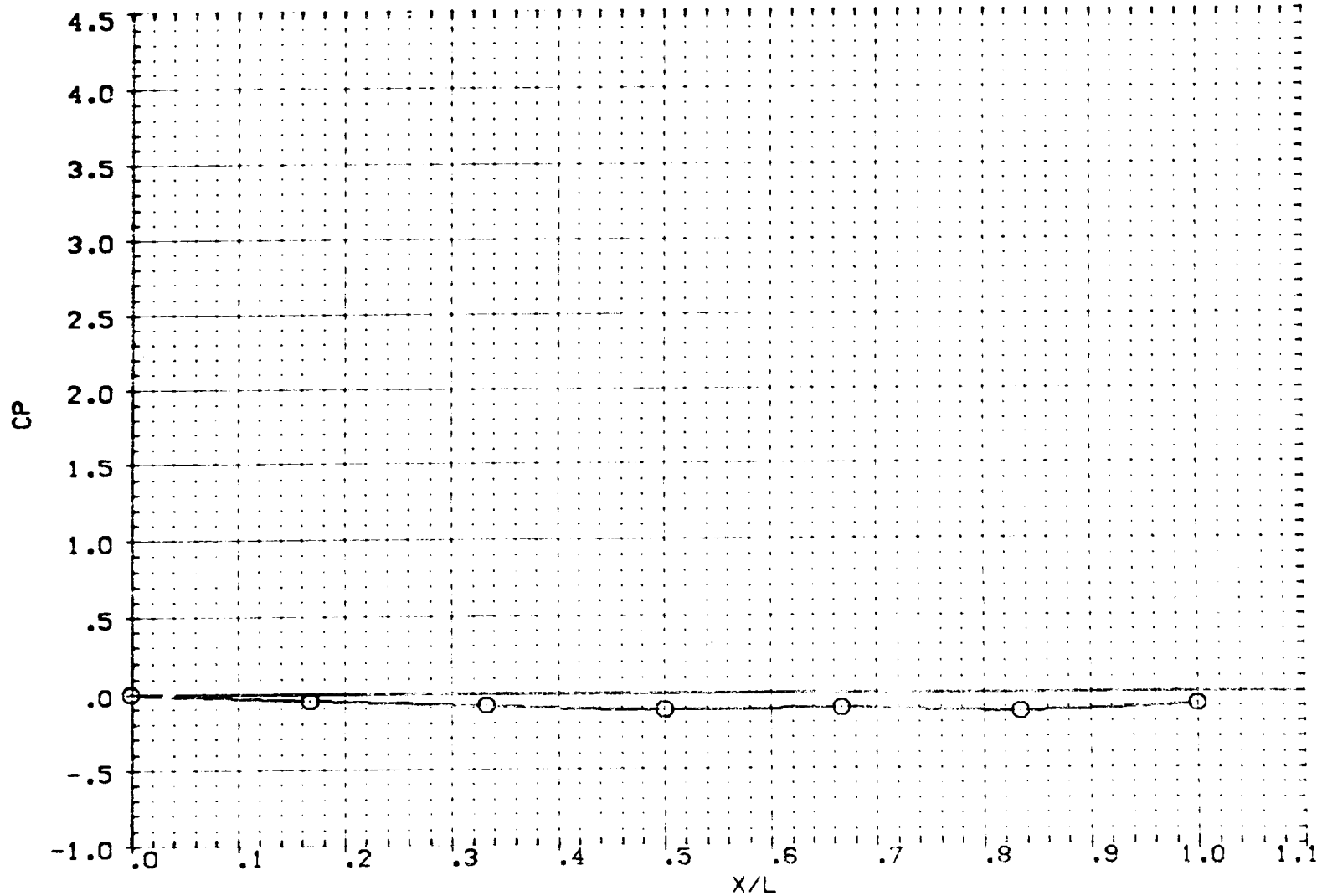


FIG 66 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON= 0

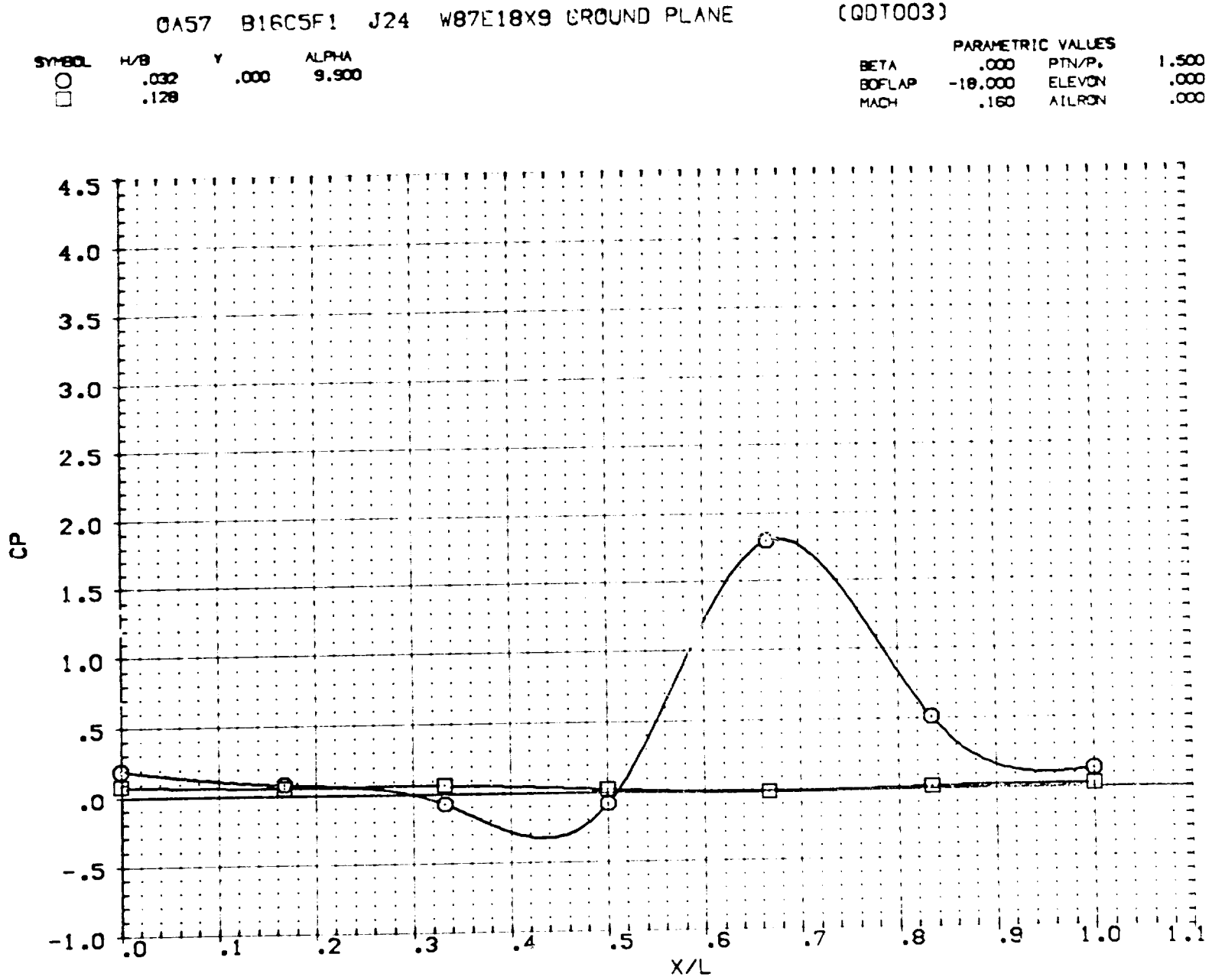


FIG 66 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT003)

SYMBOL	H/B	Y	ALPHA
○	.032	.000	14.900
□	.128		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.500
BUFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

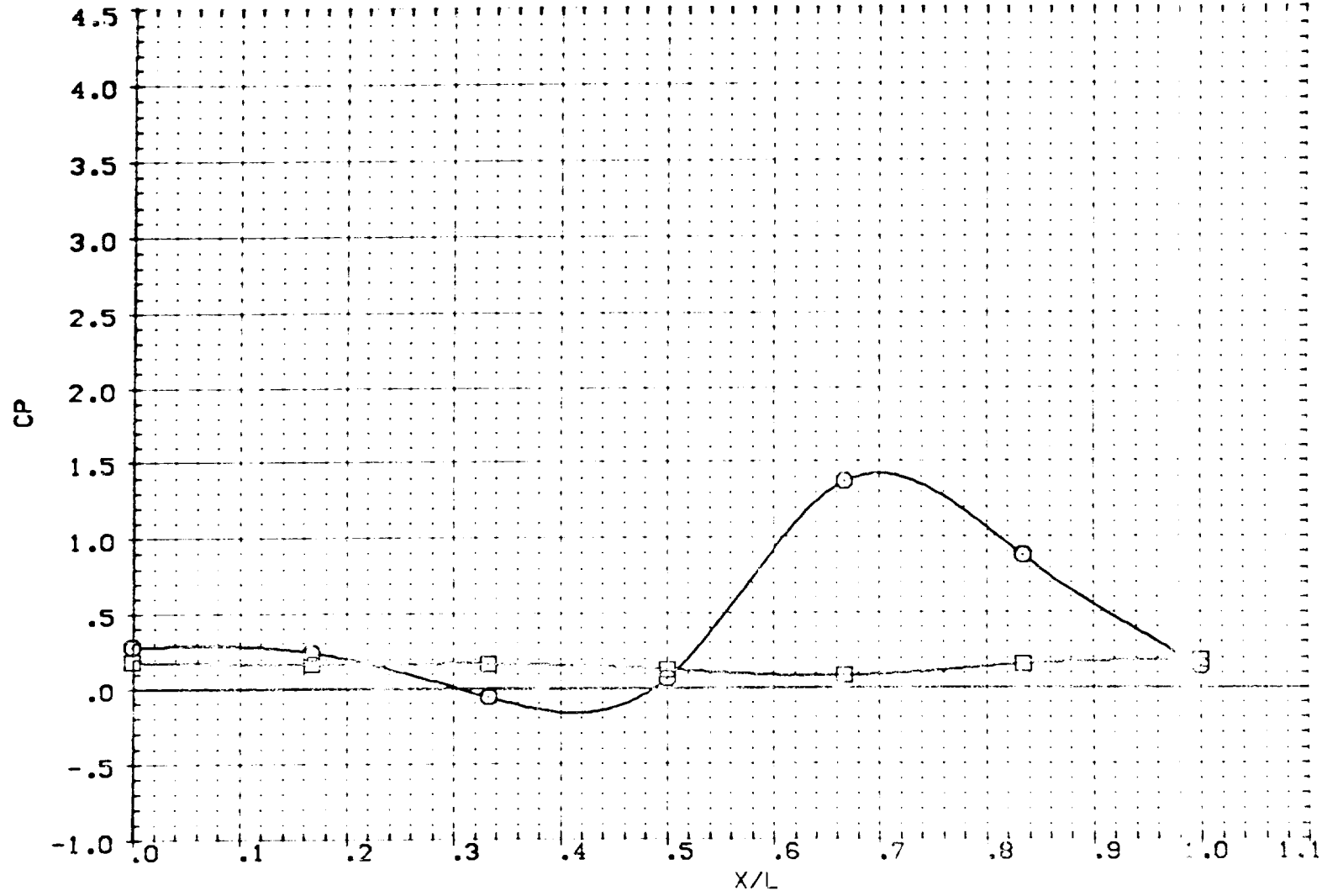


FIG 66 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT004)

SYMBOL	H/B	Y	ALPHA
○	.120	.000	.000
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.900
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

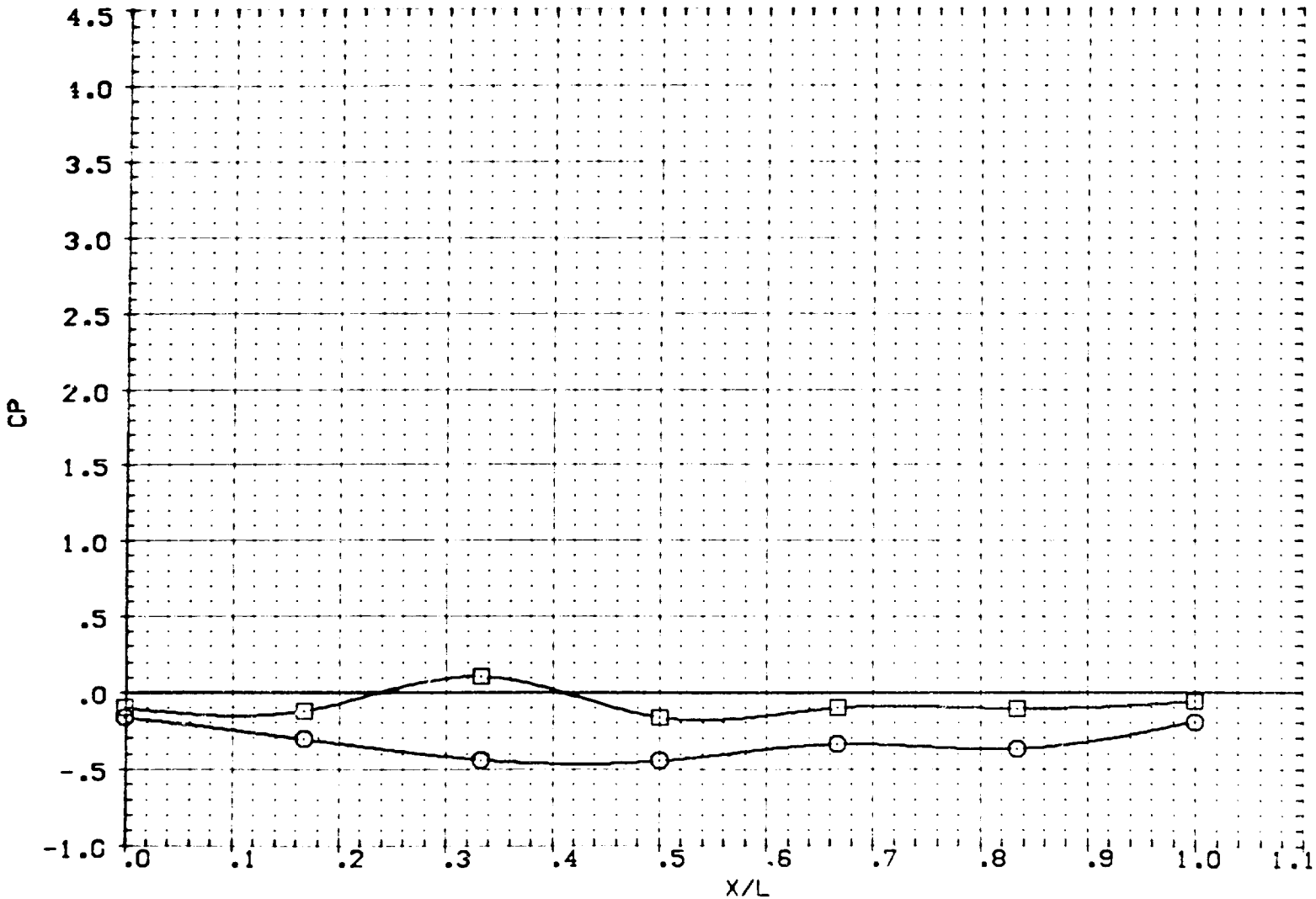


FIG 67 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON= 0

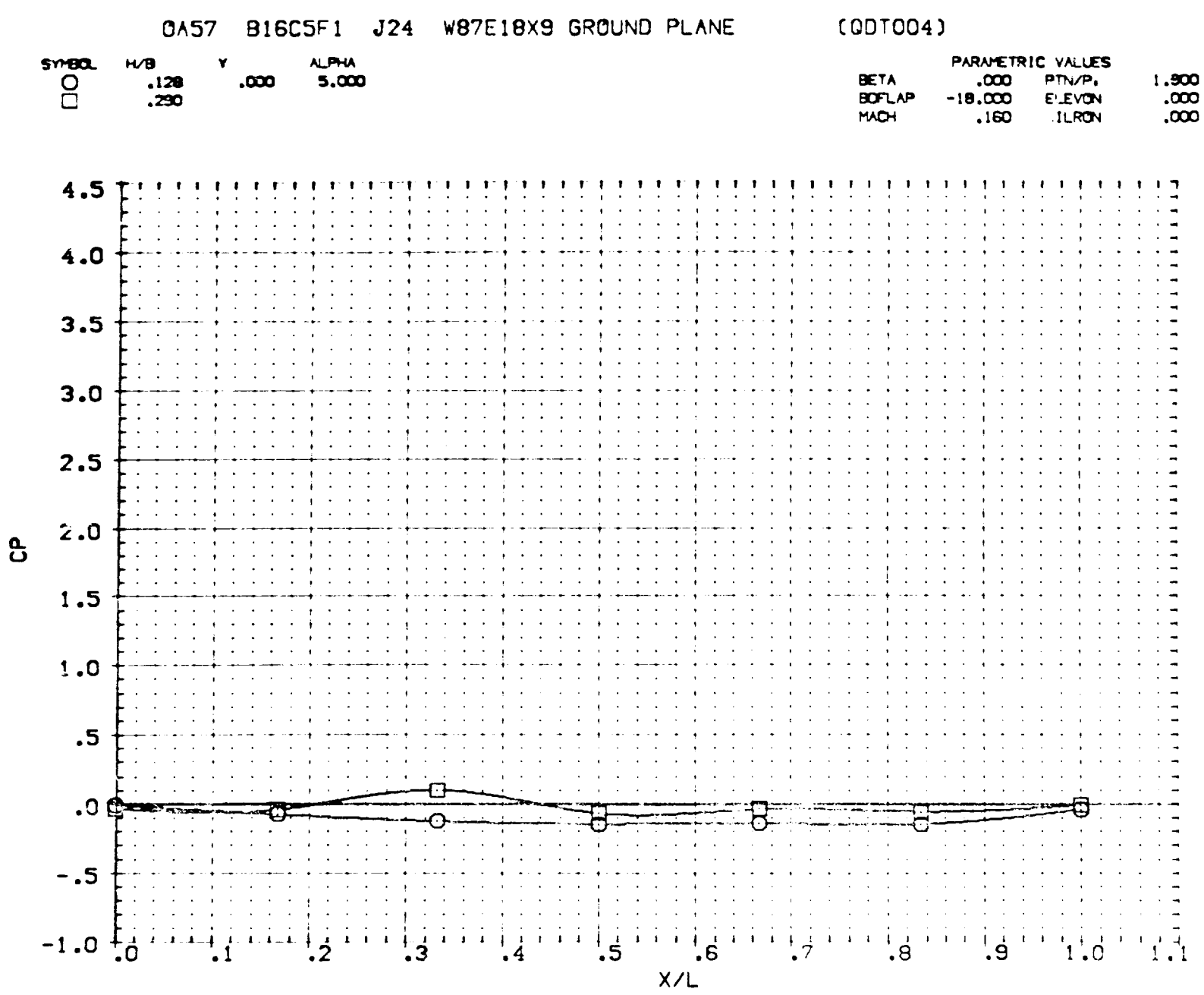


FIG 67 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON 0

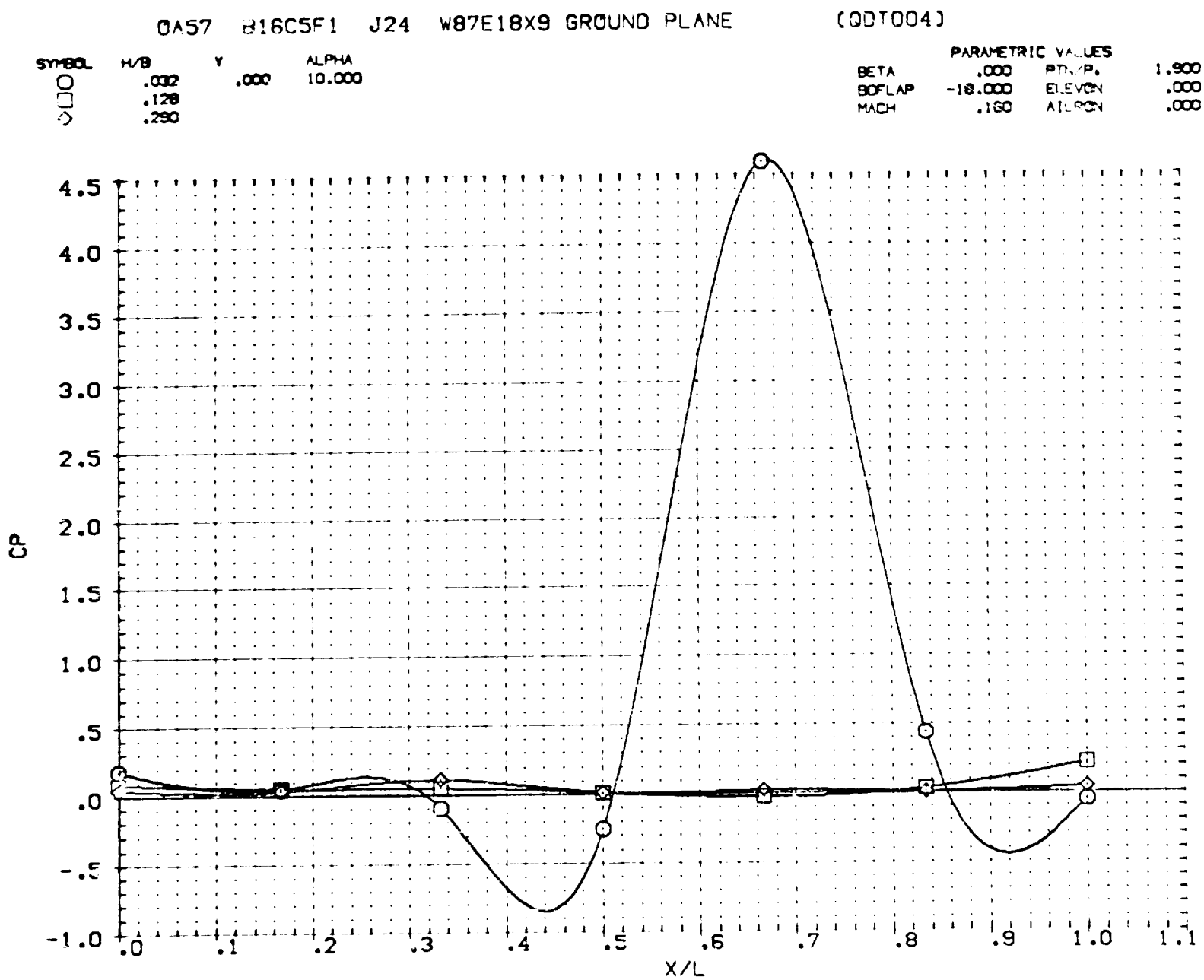


FIG 67 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON= 0

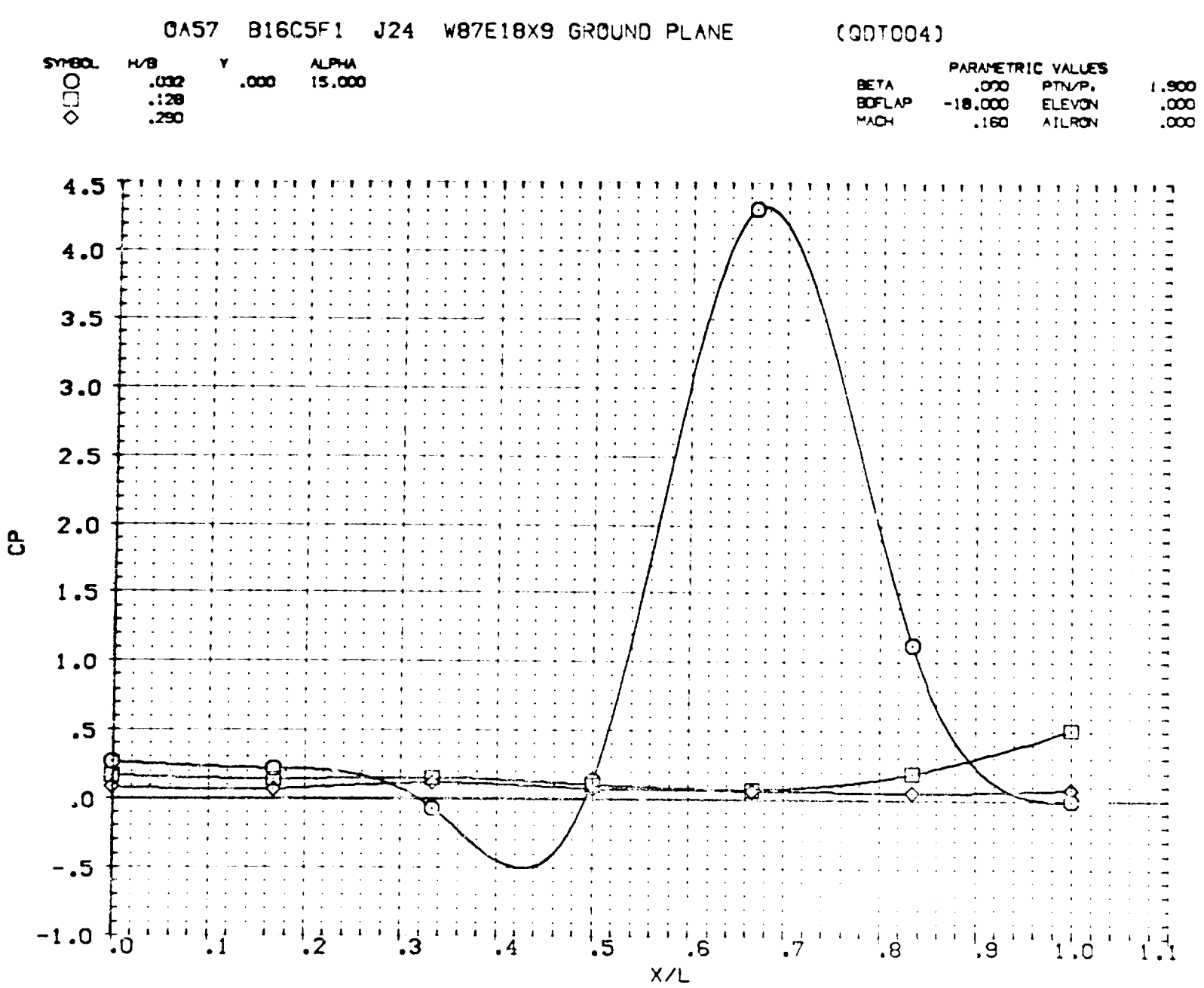


FIG 67 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON= 0

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT005)

SYMBOL	H/B	Y	ALPHA
□	.128	.000	.000
○	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

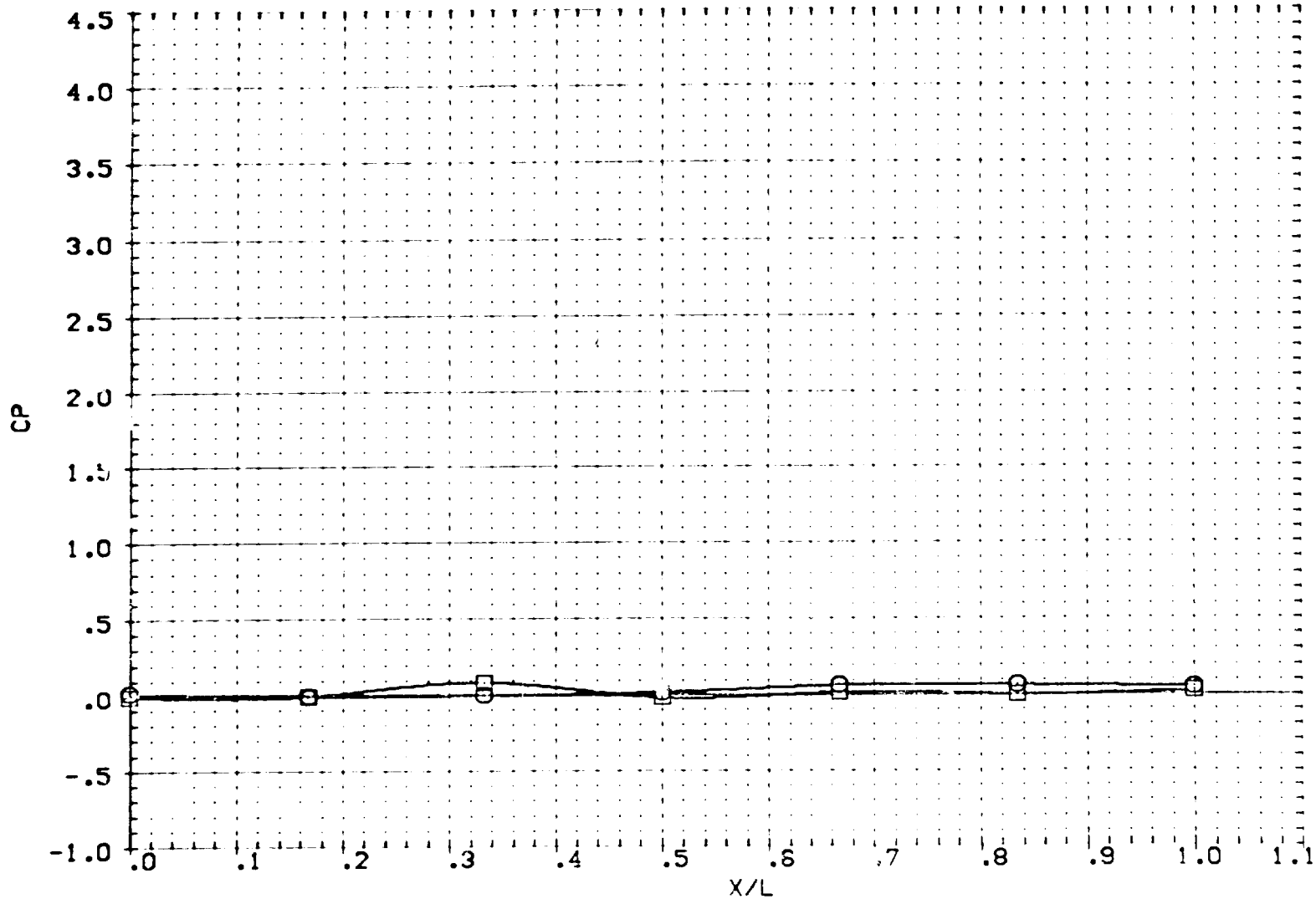


FIG 68 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON= 15

SYMBOL	H/B	Y	ALPHA
○	.128	.000	4.900
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.000
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

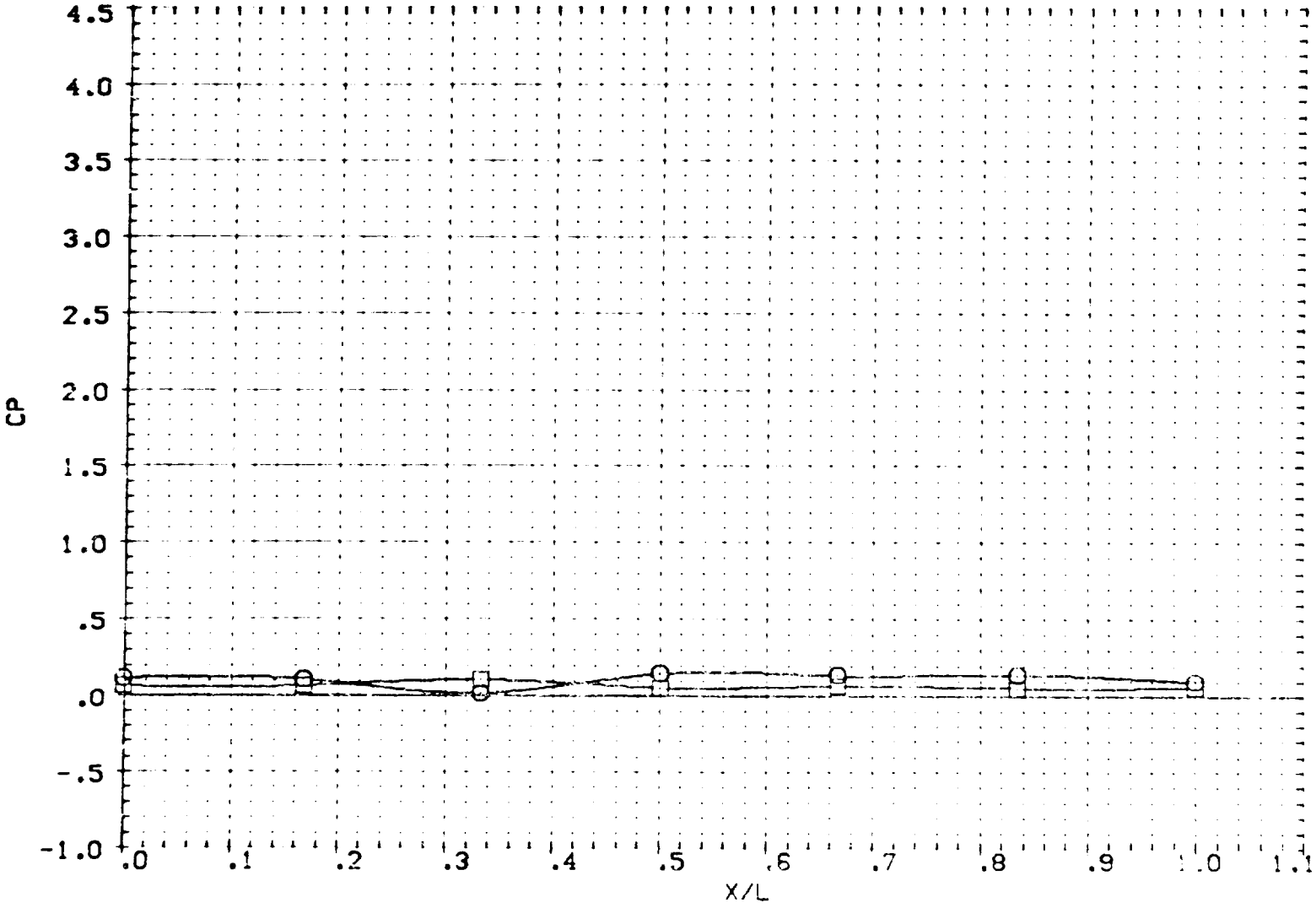


FIG 68 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON= 15

SYMBOL	H/B	Y	ALPHA
○	-5.830	.000	9.900
□	.128		
◇	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.000
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

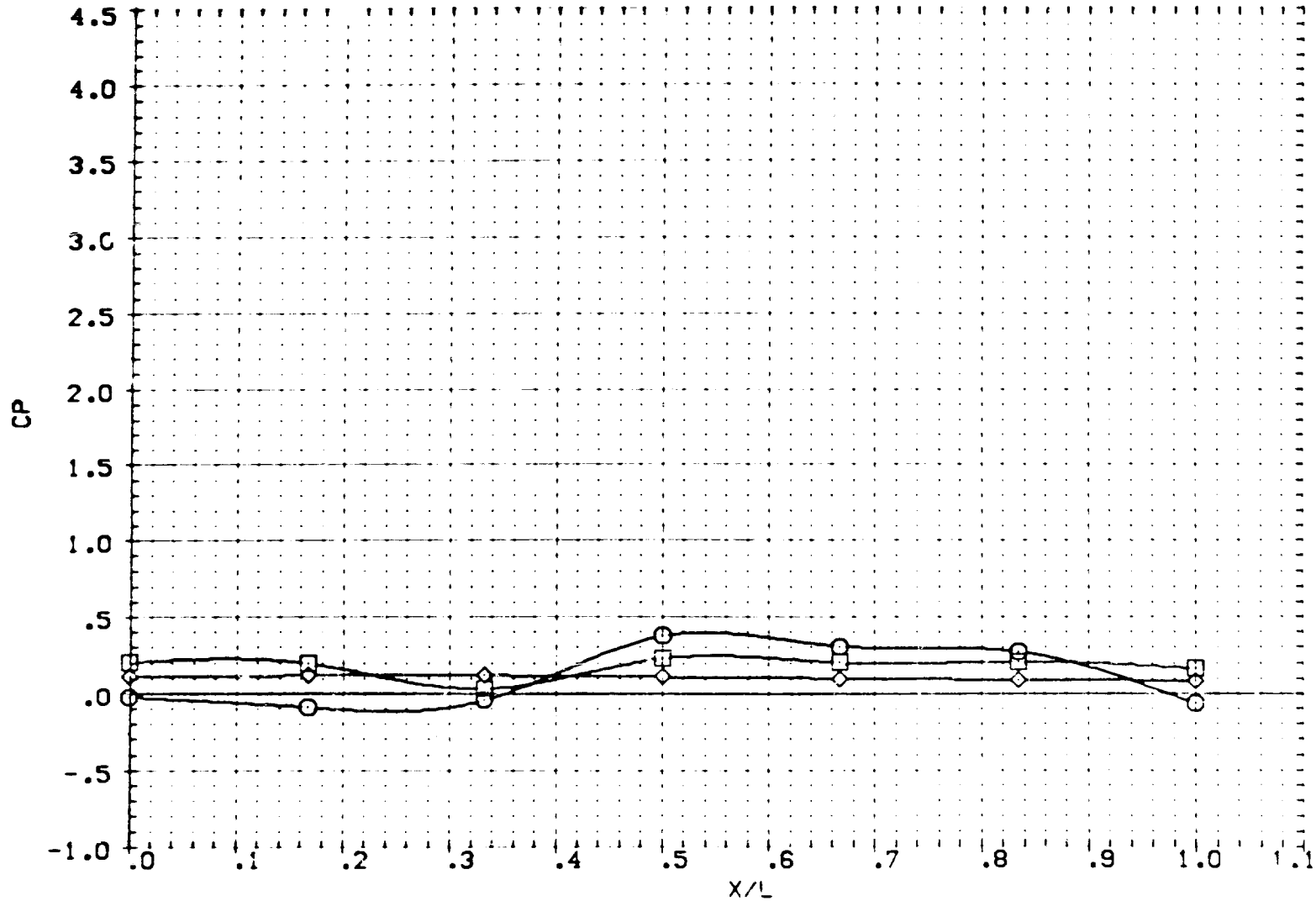


FIG 68 PRESS D'STR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON= 15

CA57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT005)

SYMBOL	H/B	Y	ALPHA
□	-5.930	.000	14.900
○	.128		
◇	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.000
BDFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

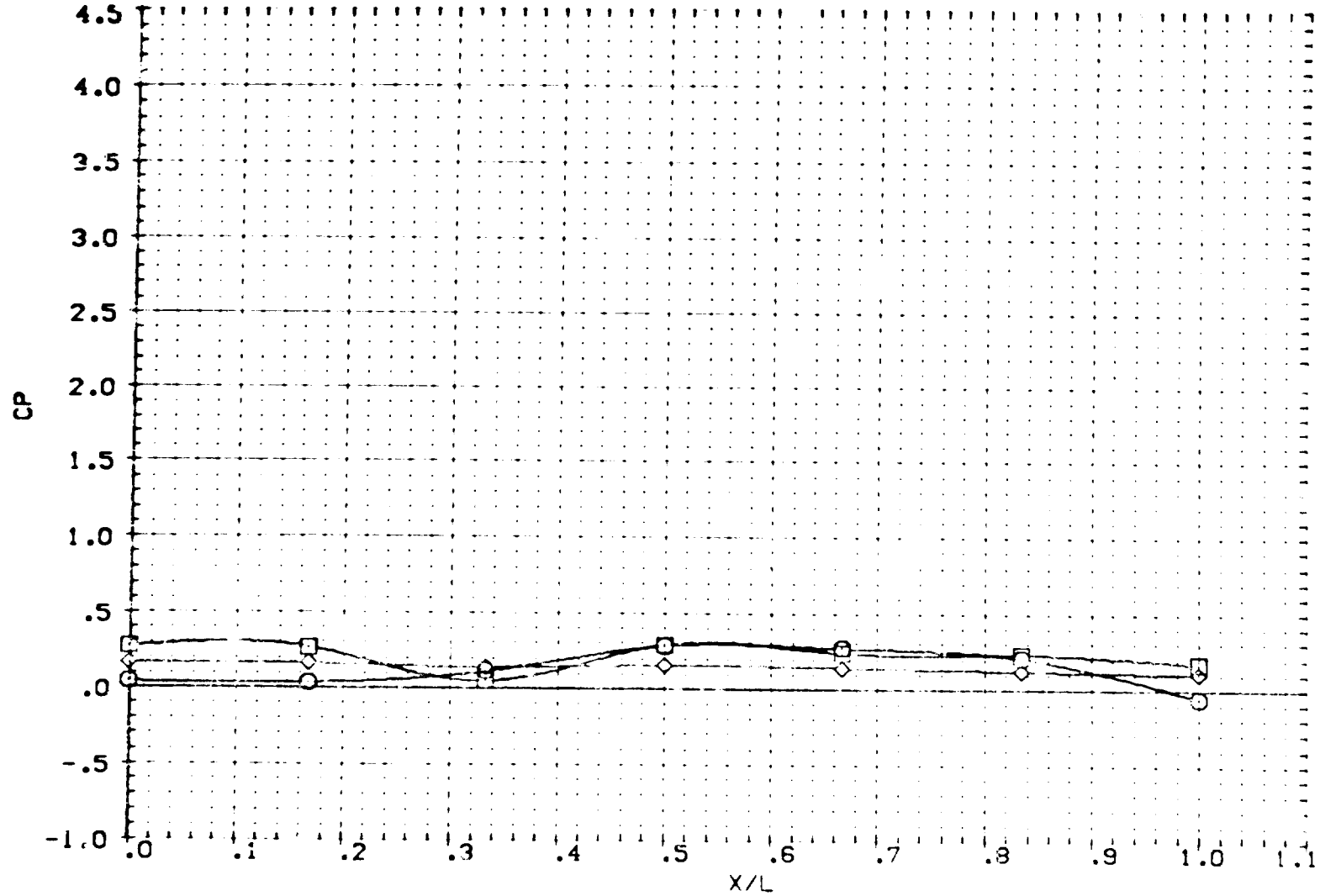


FIG 68 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON= 15.

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDTOO6)

SYMBOL	H/B	Y	ALPHA
O	.250	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P$_t$	1.300
DOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

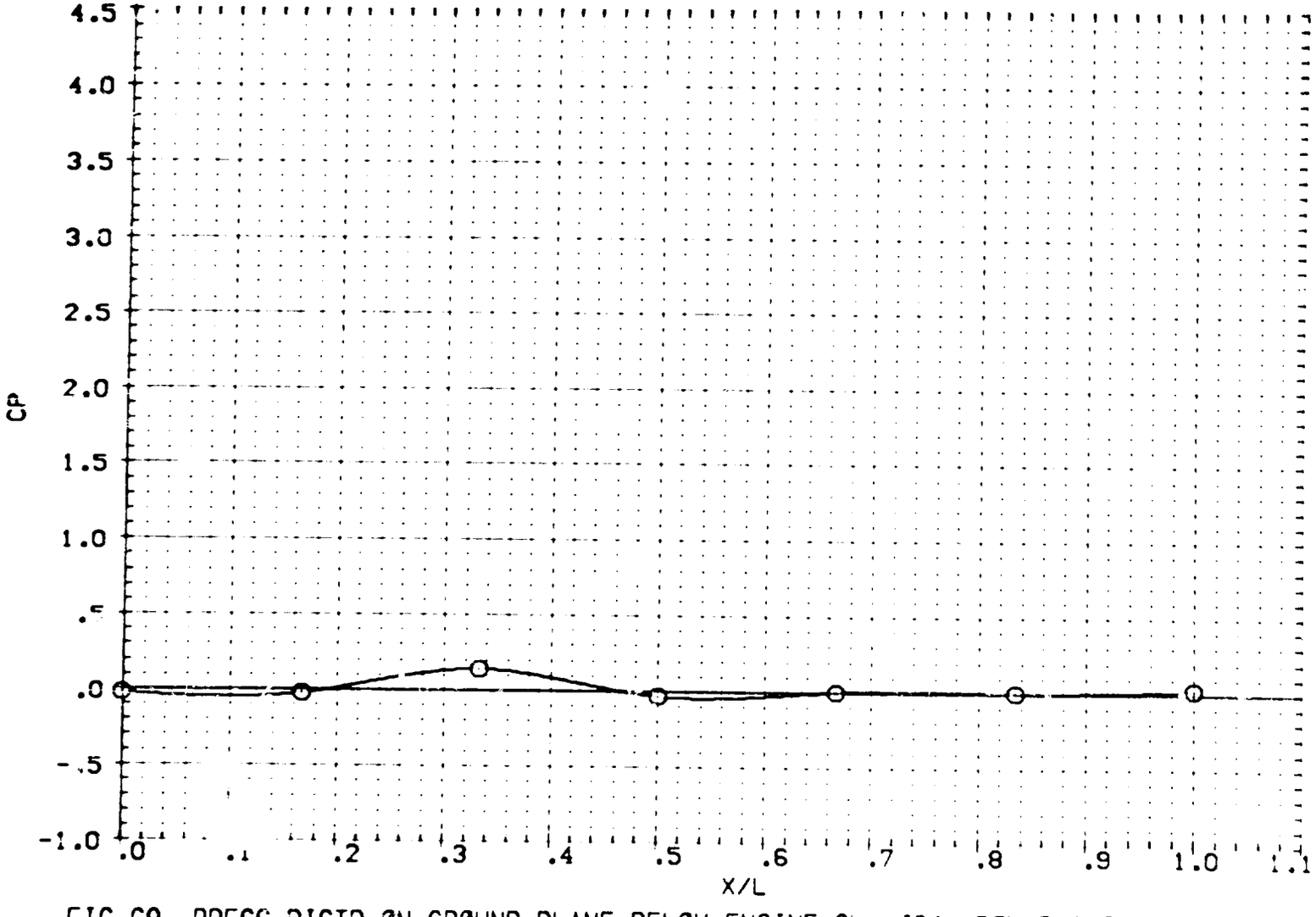


FIG 69 PRESS DISTR ON GROUND PLANE BELOW ENGINE C. J24, PTN/P=1.3, ELEVON= 15

SYMBOL	H/B	Y	ALPHA
○	.290	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.300
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

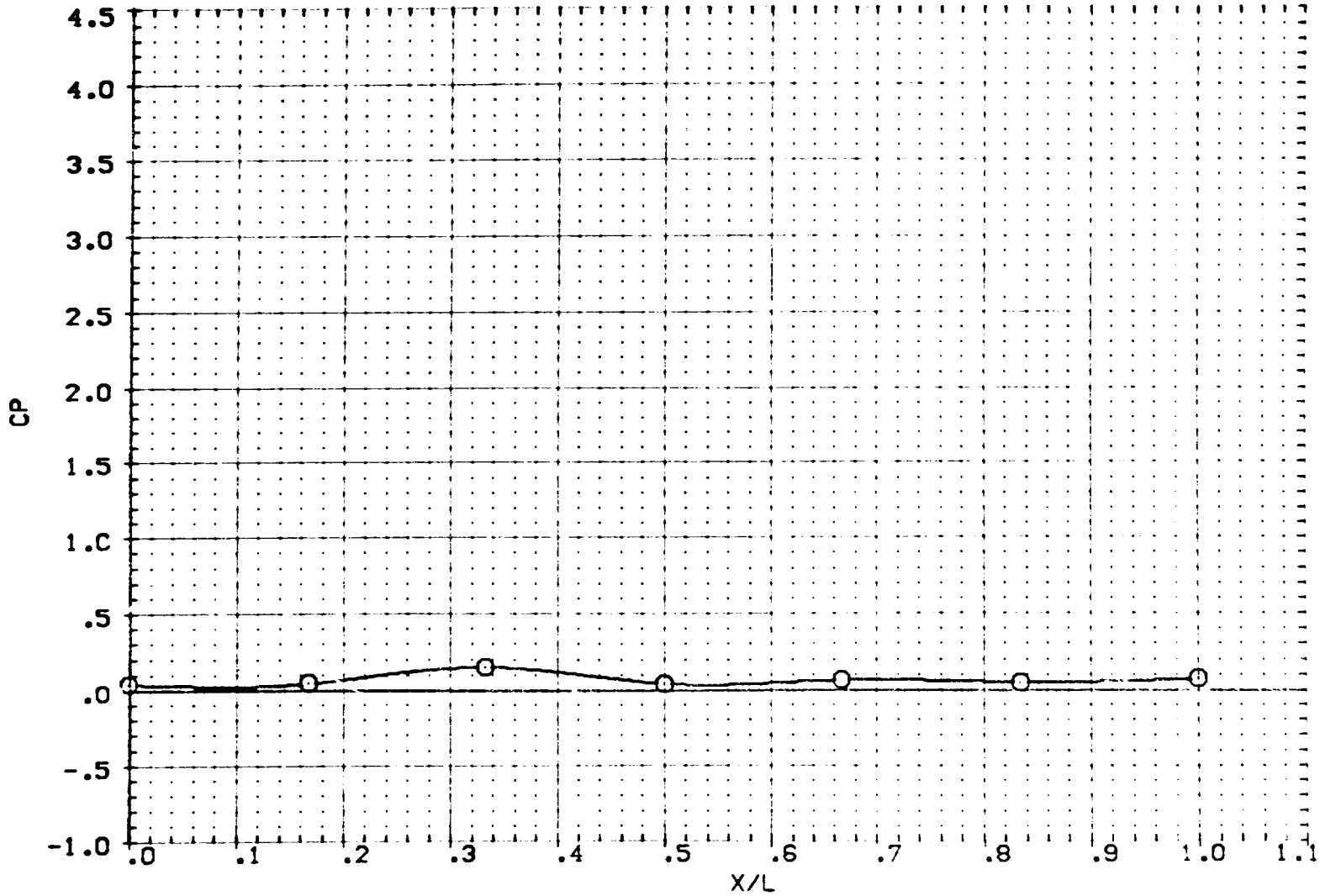


FIG 69 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.3, ELEVON= 15

CA57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT006)

SYMBOL	H/B	Y	ALPHA
O	.290	.000	9.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.300
BDFLAP	-10.000	ELEVON	15.000
MACH	.160	AILRON	.000

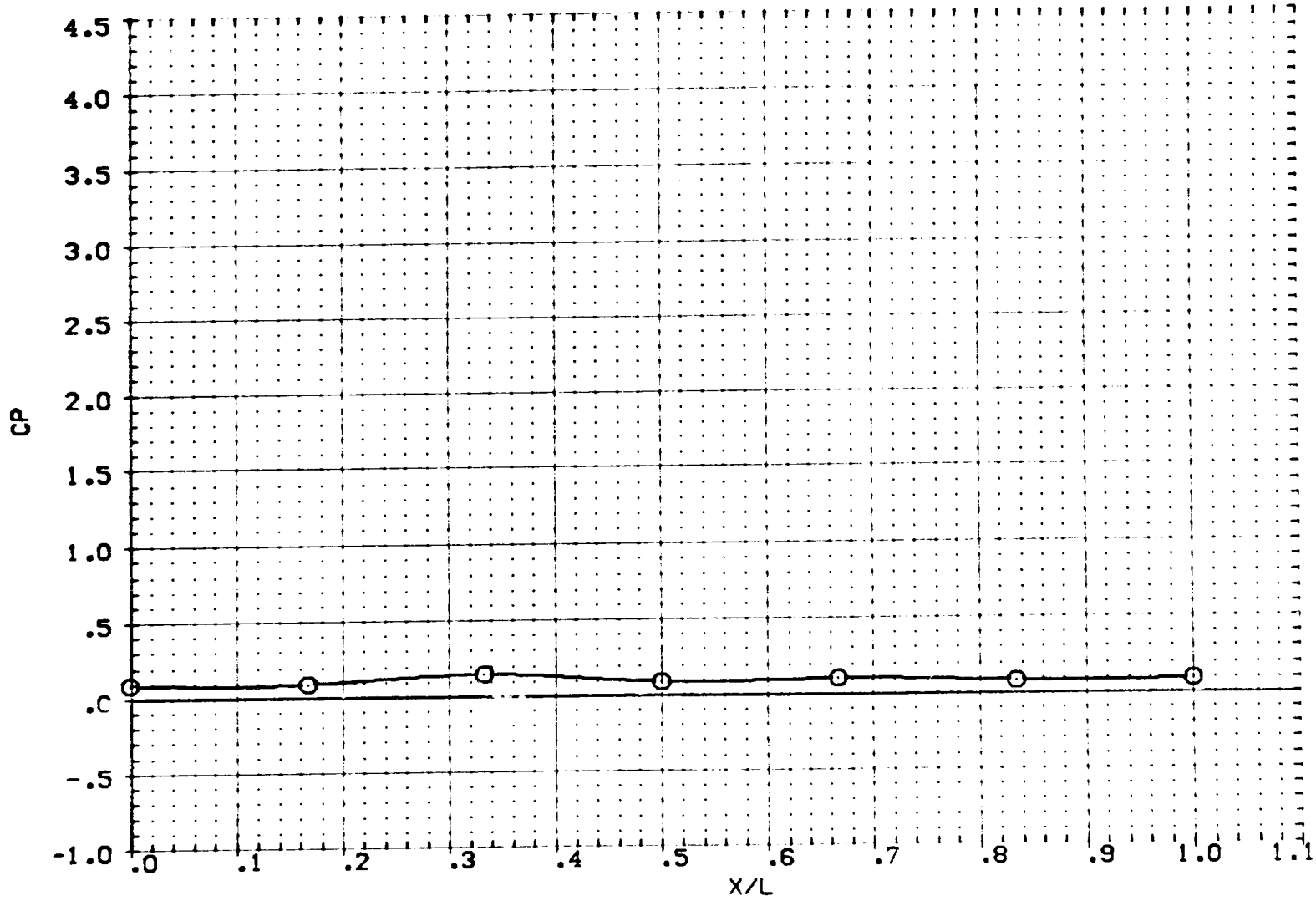


FIG 69 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.3, ELEVON= 15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT006)

SYMBOL	H/B	Y	ALPHA
○	.290	.000	14.900

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.300
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

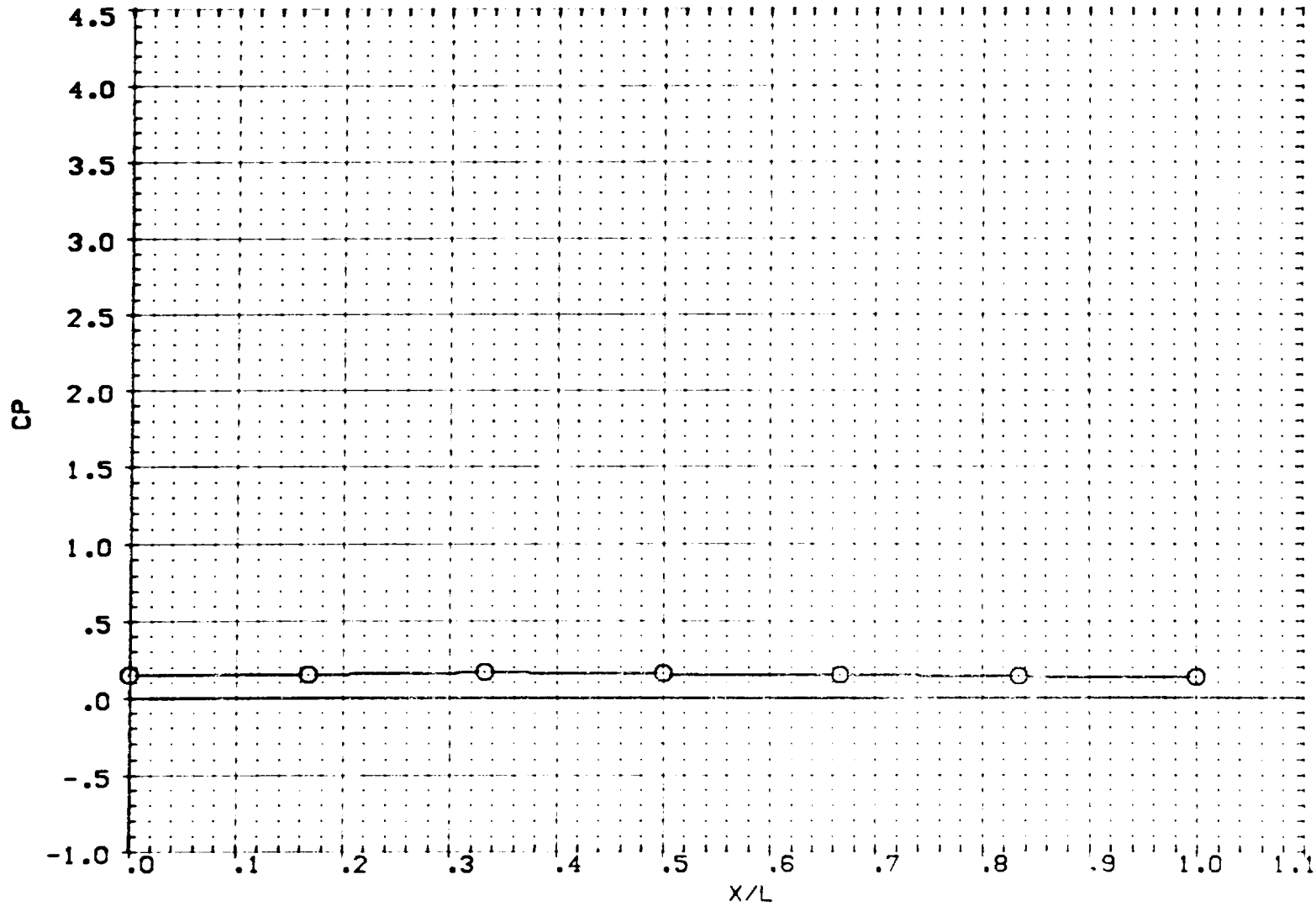


FIG 69 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.3, ELEVON= 15

SYMBOL	H/B	Y	ALPHA
O	.120	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.500
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

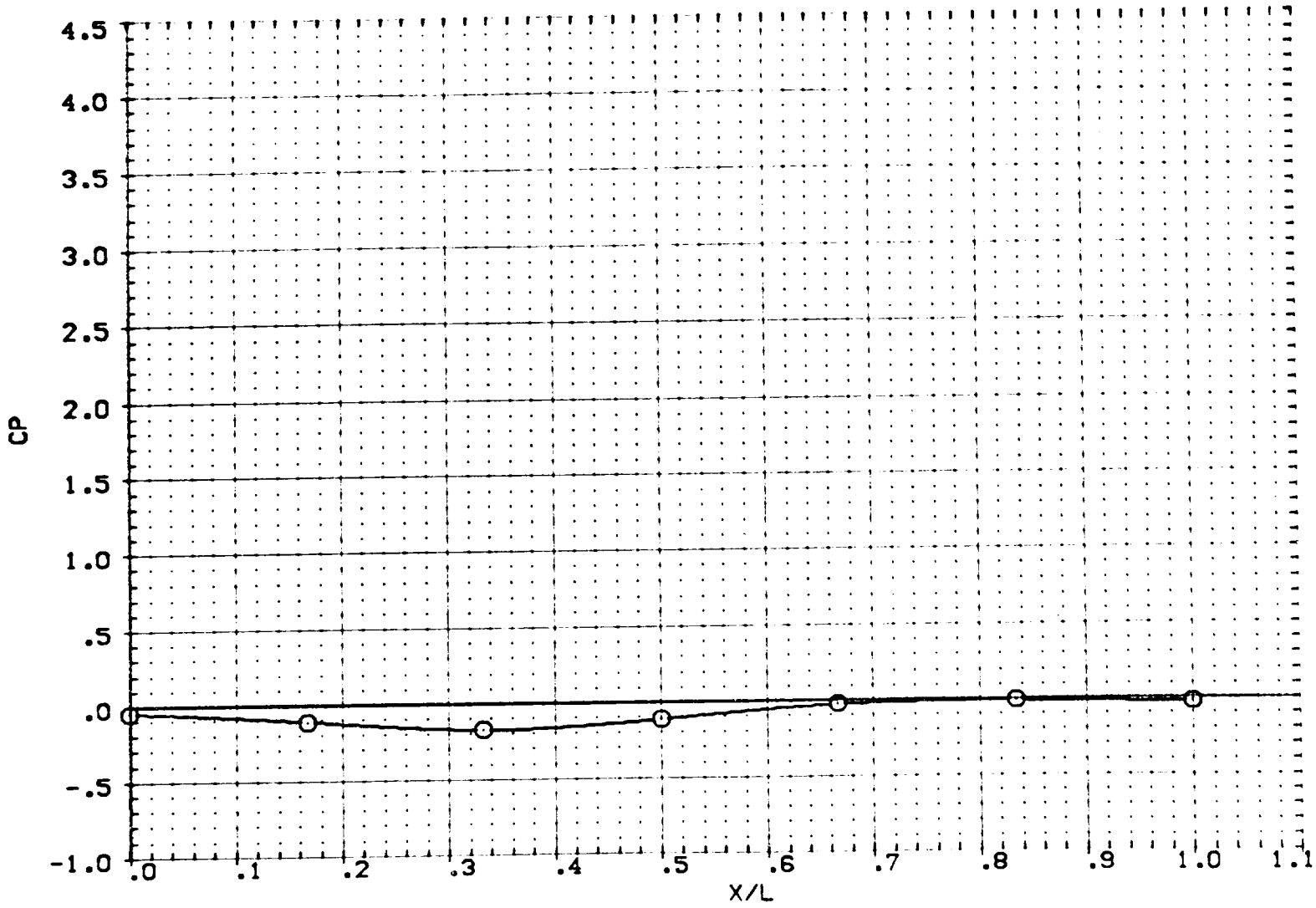


FIG 70 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON= 15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT007)

SYMBOL	H/B	Y	ALPHA
O	.128	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.500
90FLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

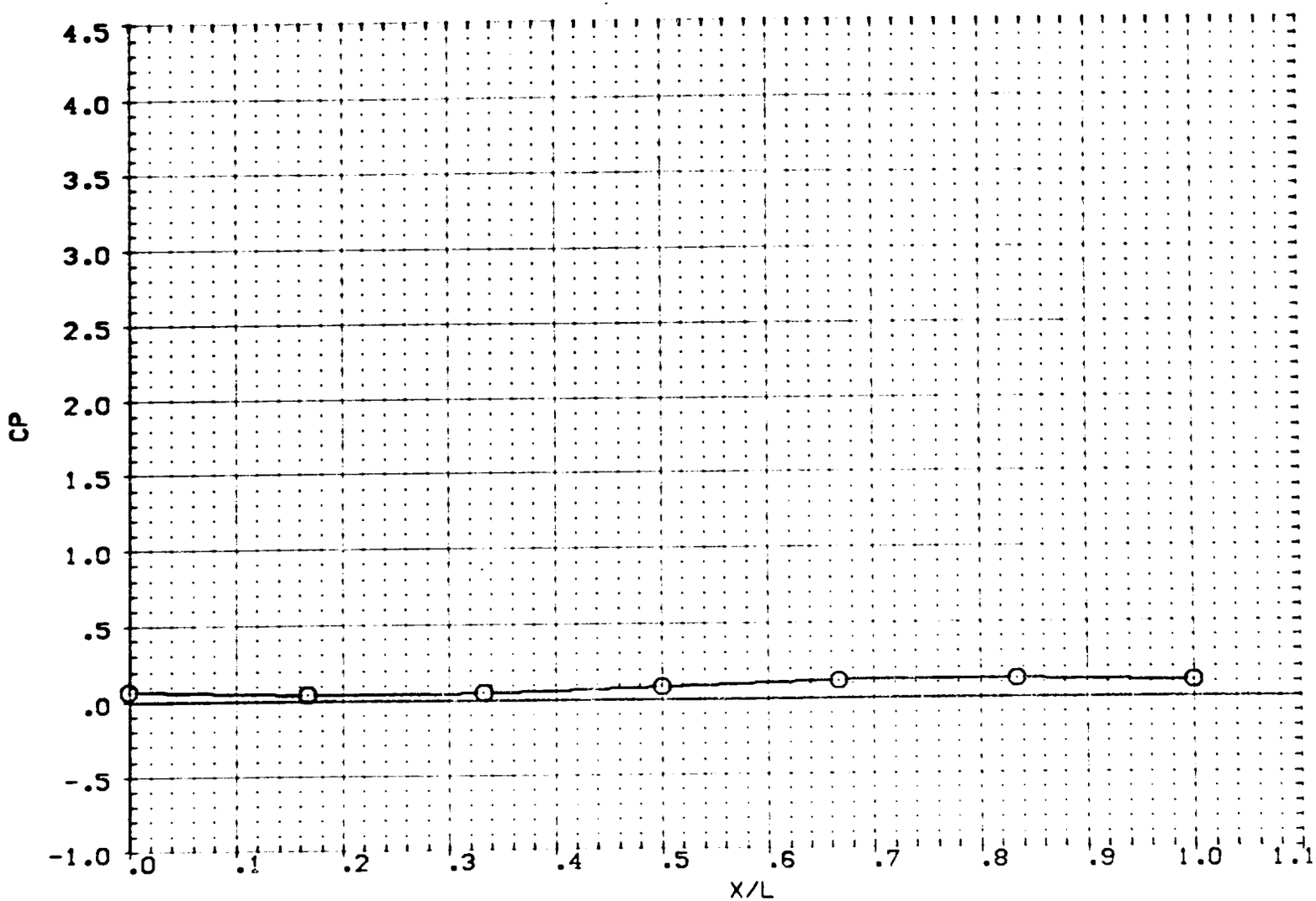


FIG 70 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVCN= 15

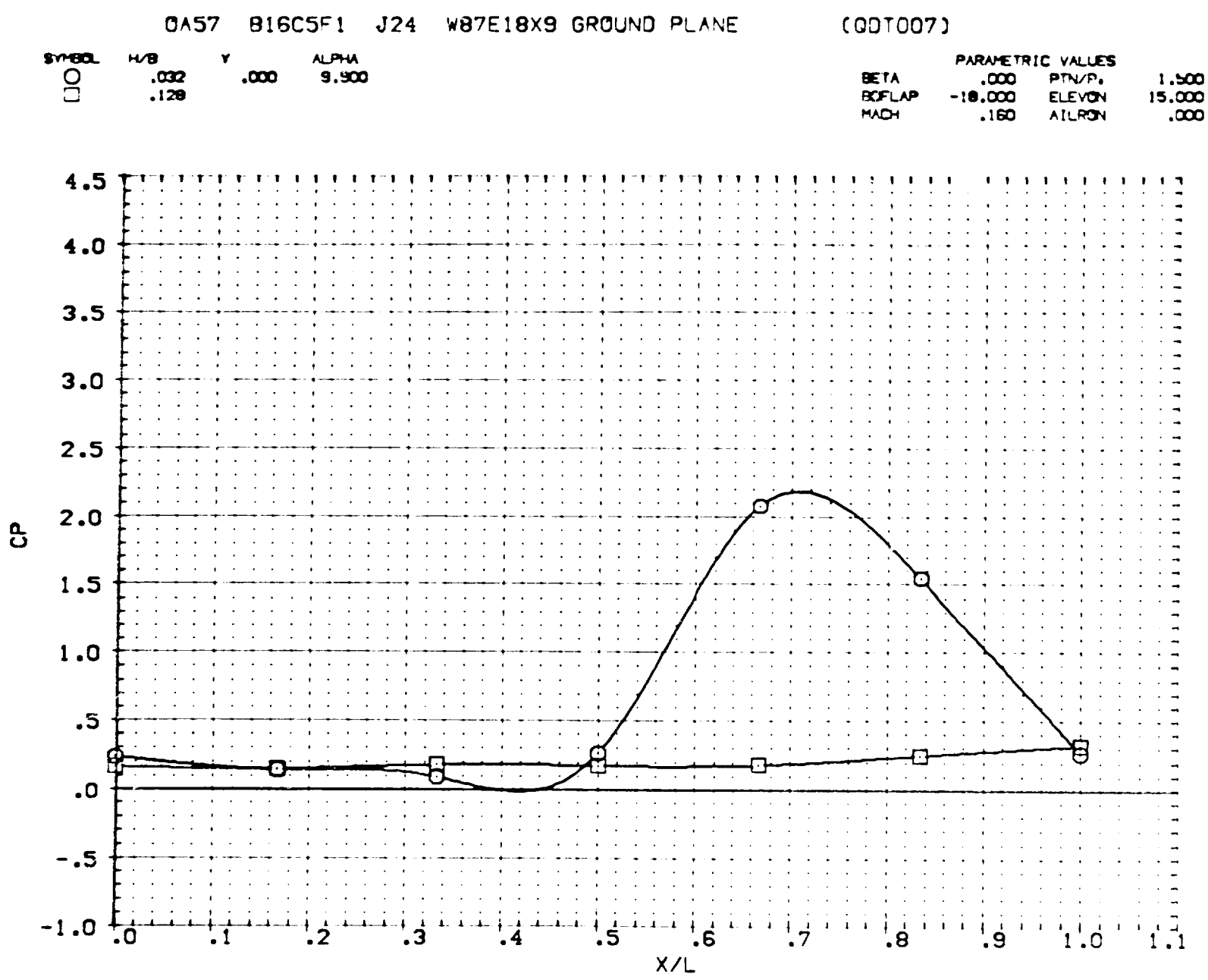


FIG 70 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON= 15

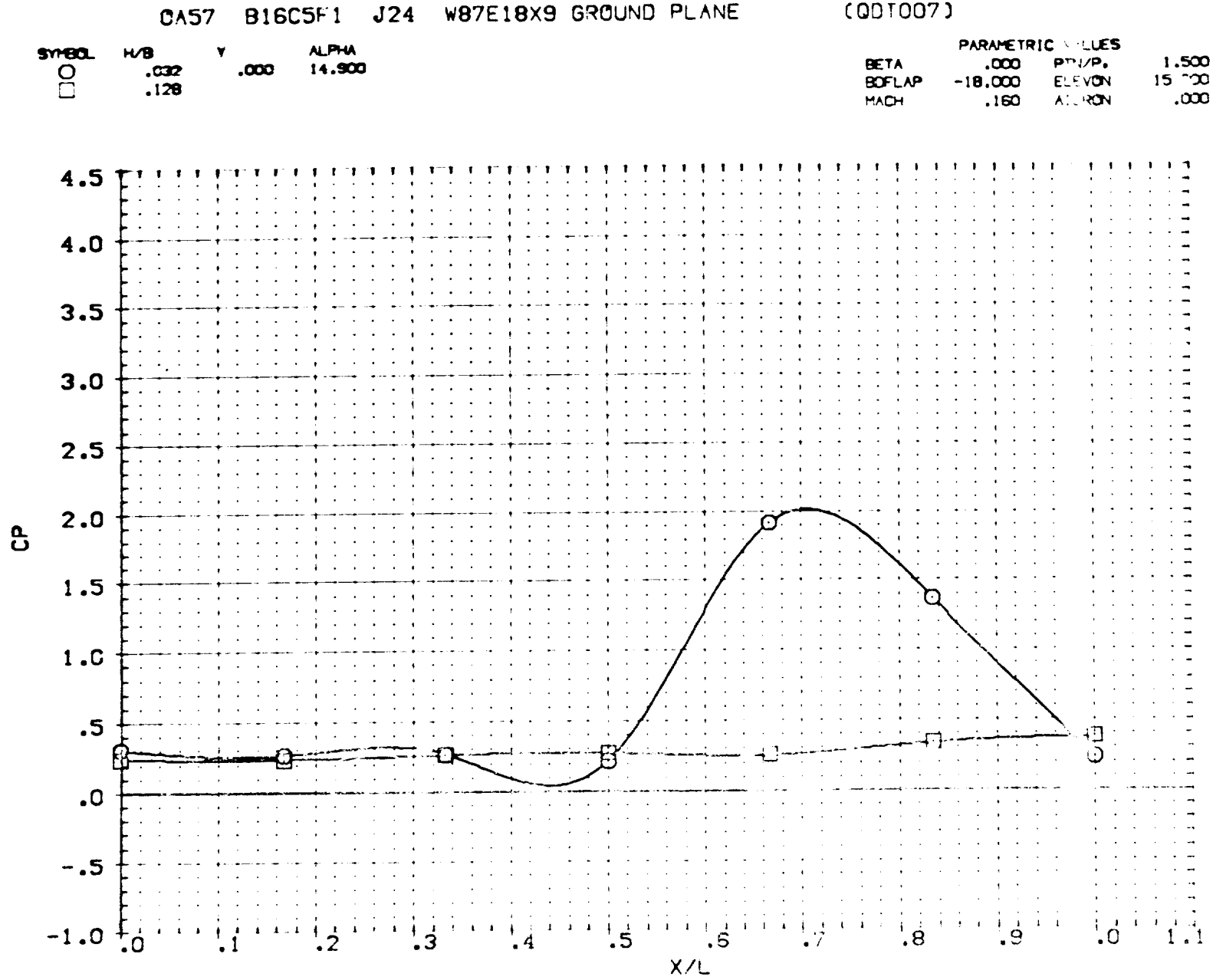


FIG 70 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON= 15

OA57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT008)

SYMBOL	H/B	Y	ALPHA
○	.128	.000	.000
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

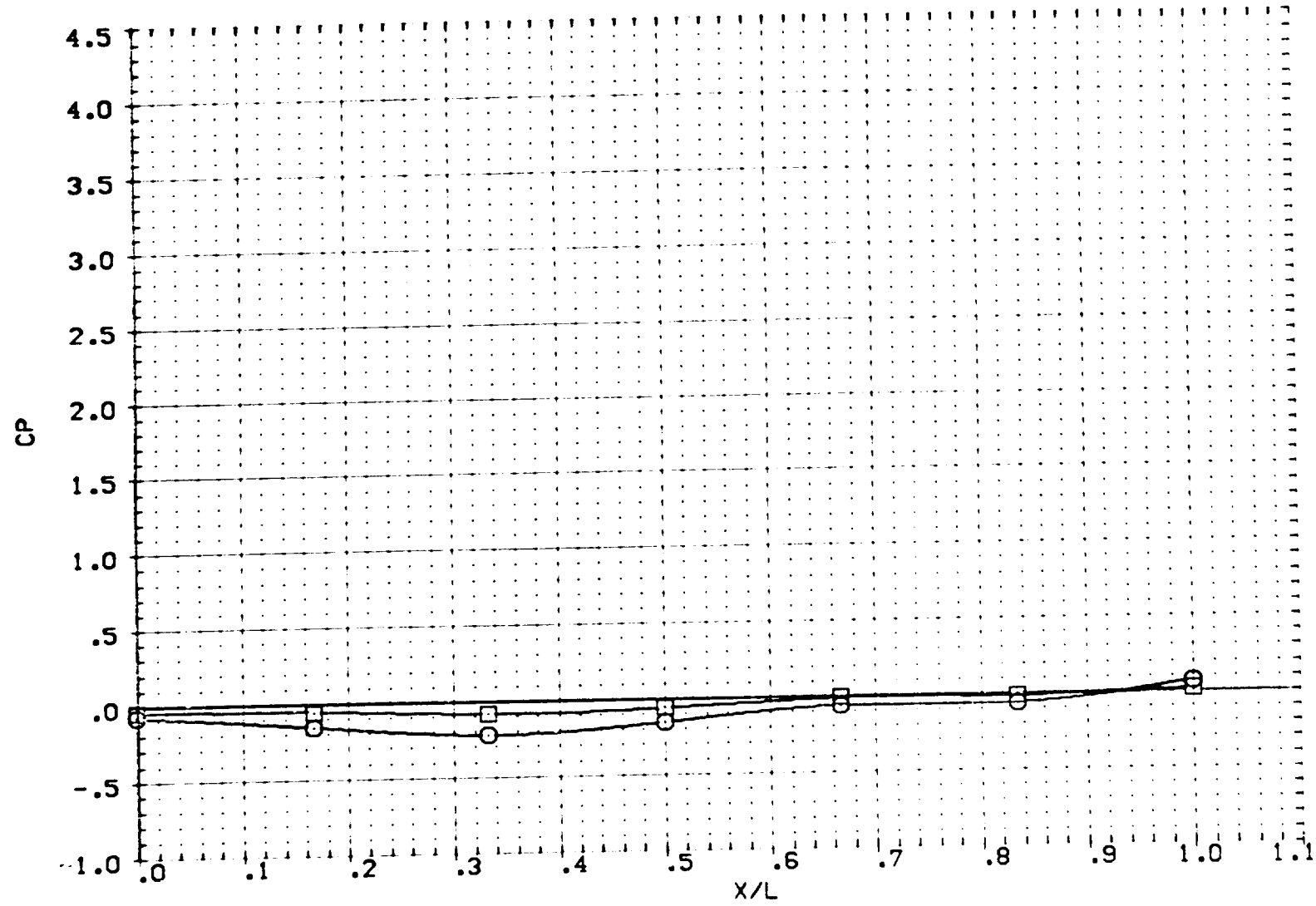


FIG 71 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON= 15

SYMBOL	H/B	Y	ALPHA
○	.128	.000	4.900
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.[illegible]
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

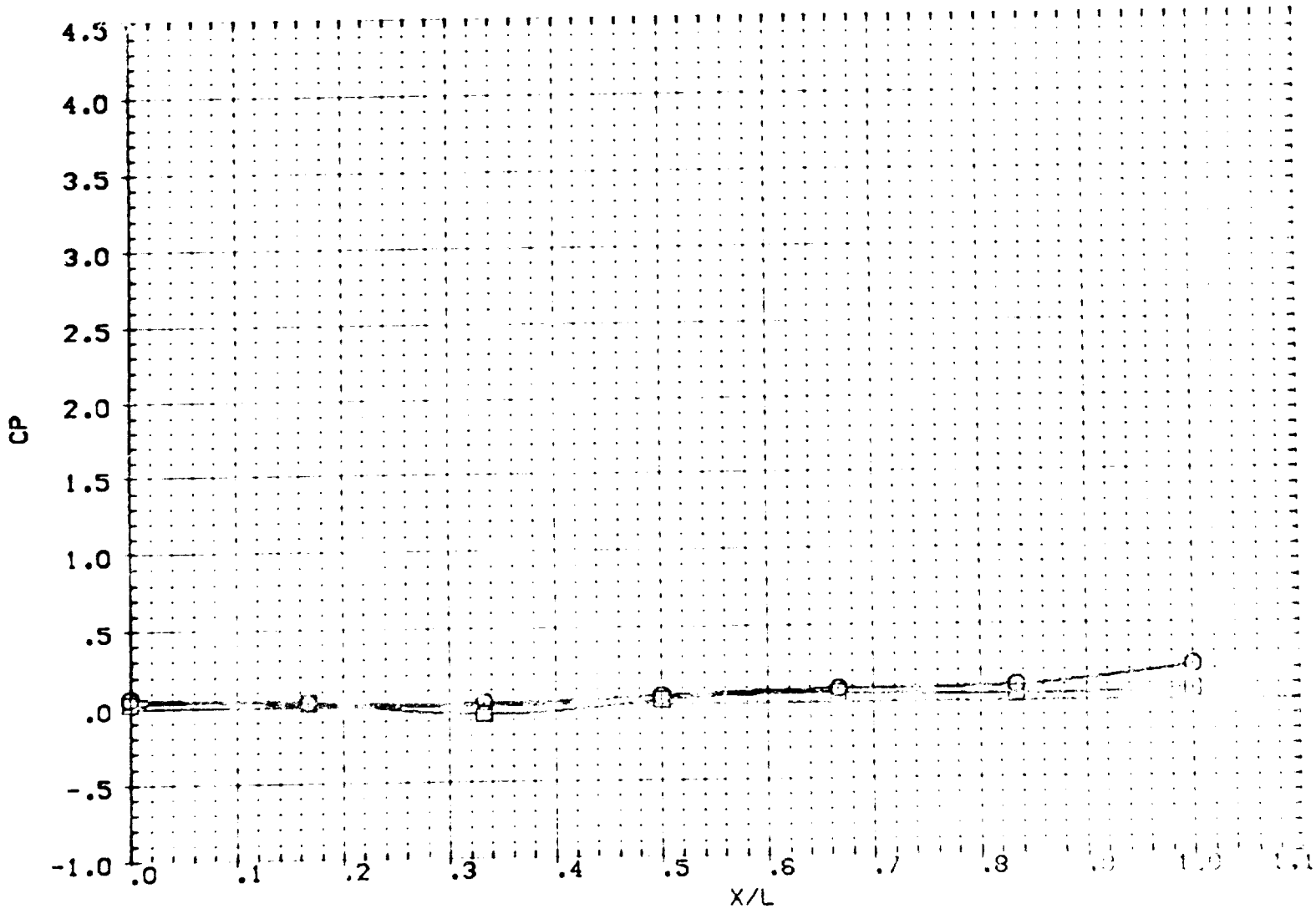


FIG 71 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, [illegible]

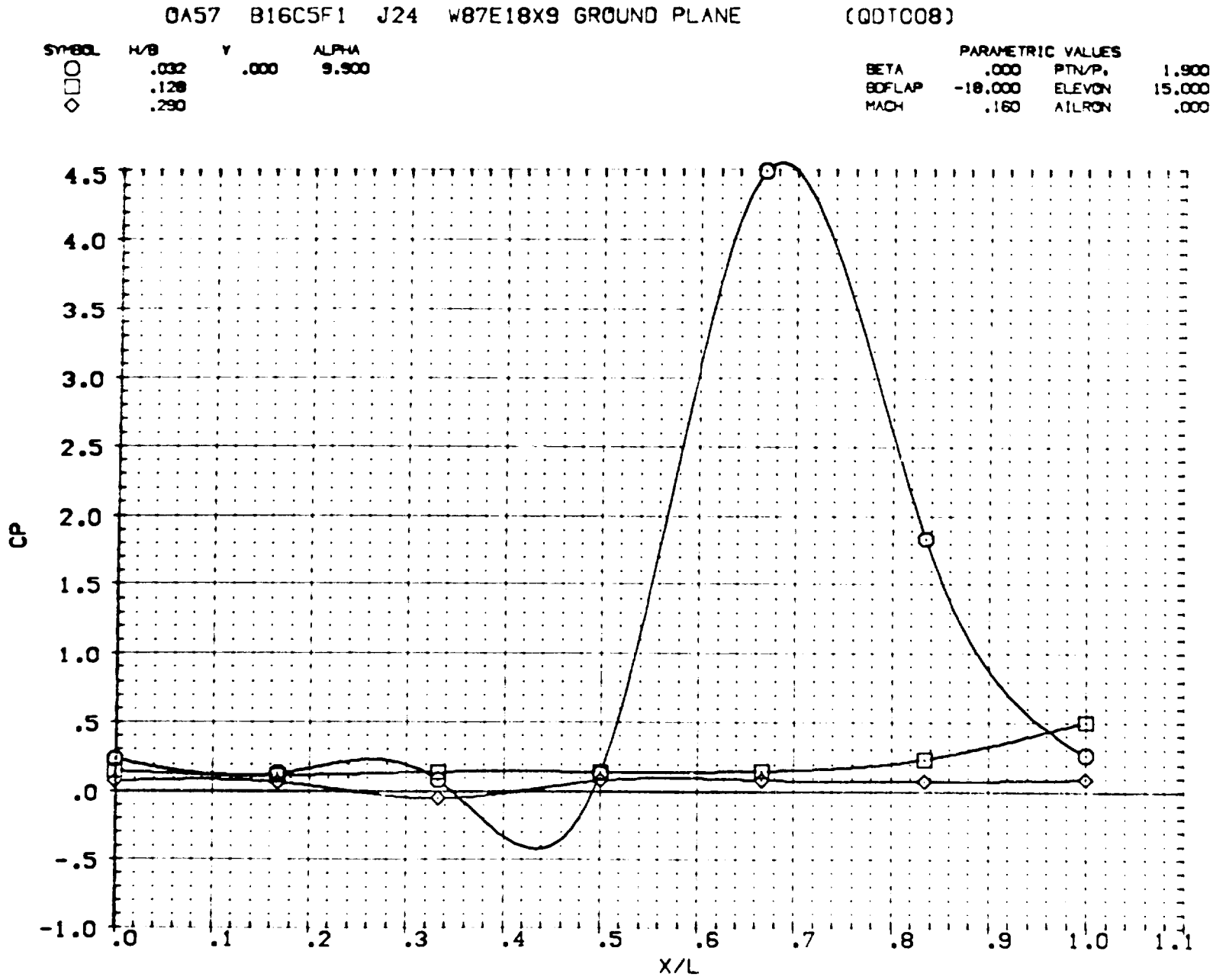


FIG 71 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON= 15

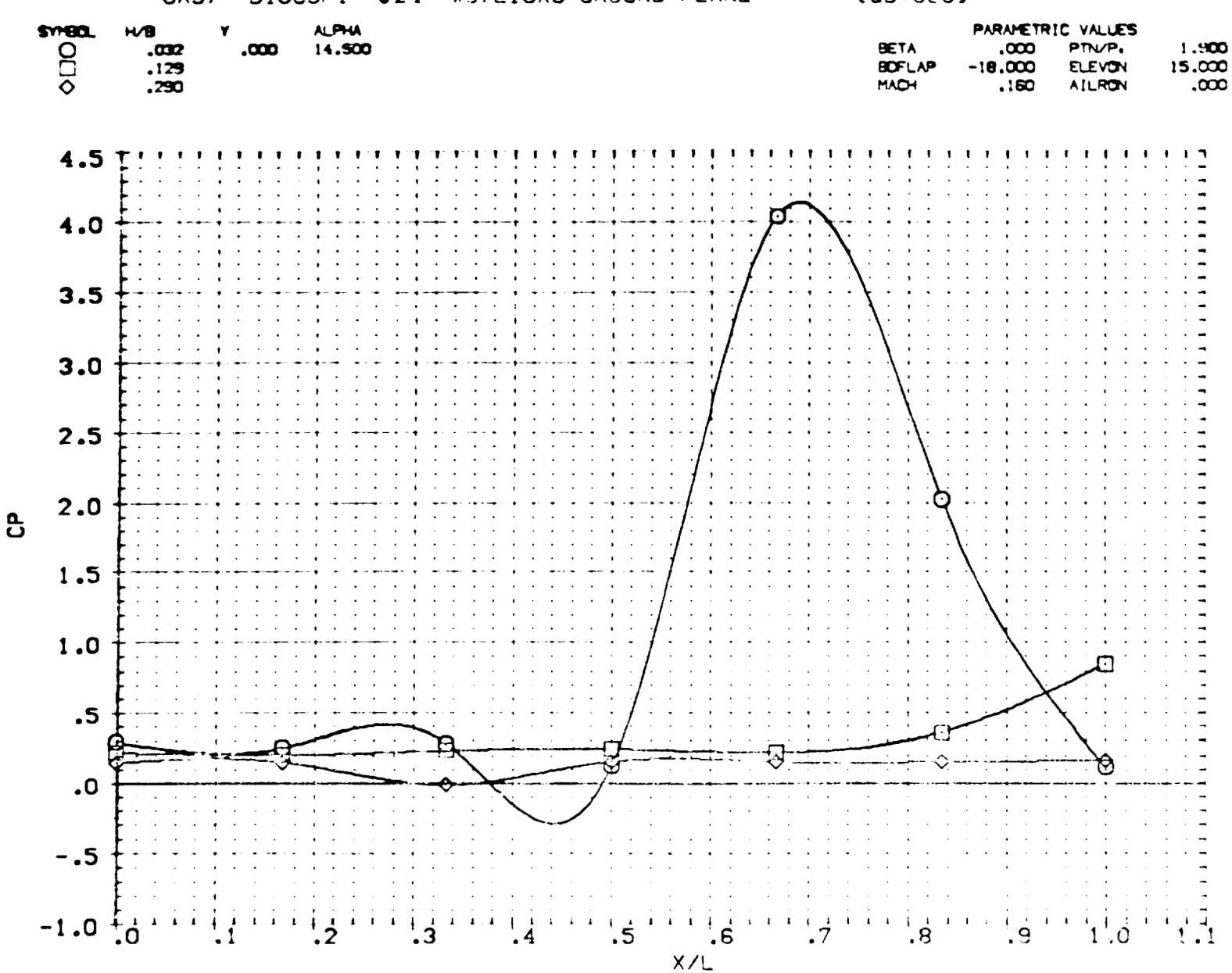


FIG 71 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9 ELEVON= 15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT009)

SYMBOL	H/B	Y	ALPHA
O	.128	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BOFLAP	-18.000	ELEVON	-15.000
MACH	.160	AILRON	.000

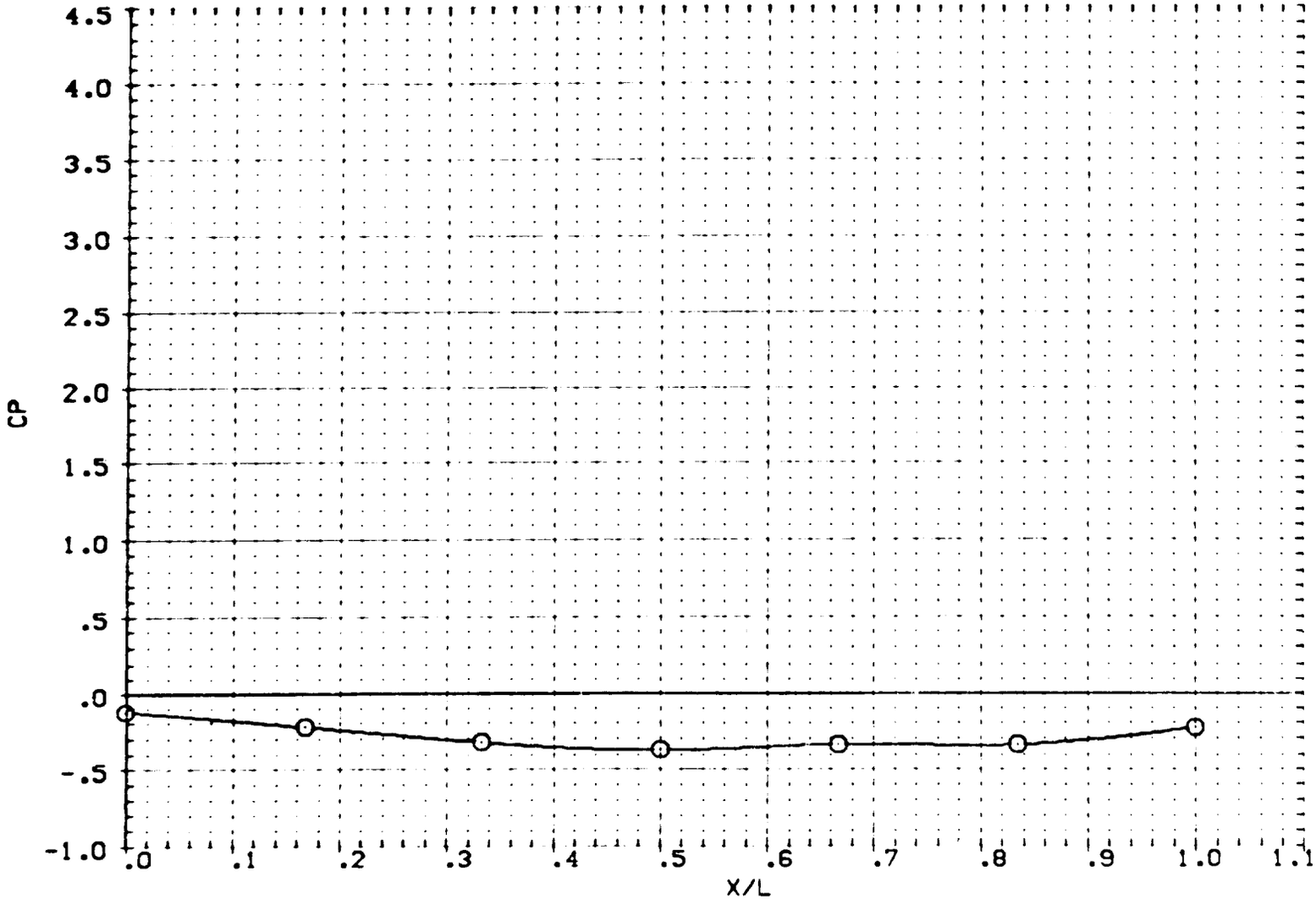


FIG 72 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON=-15

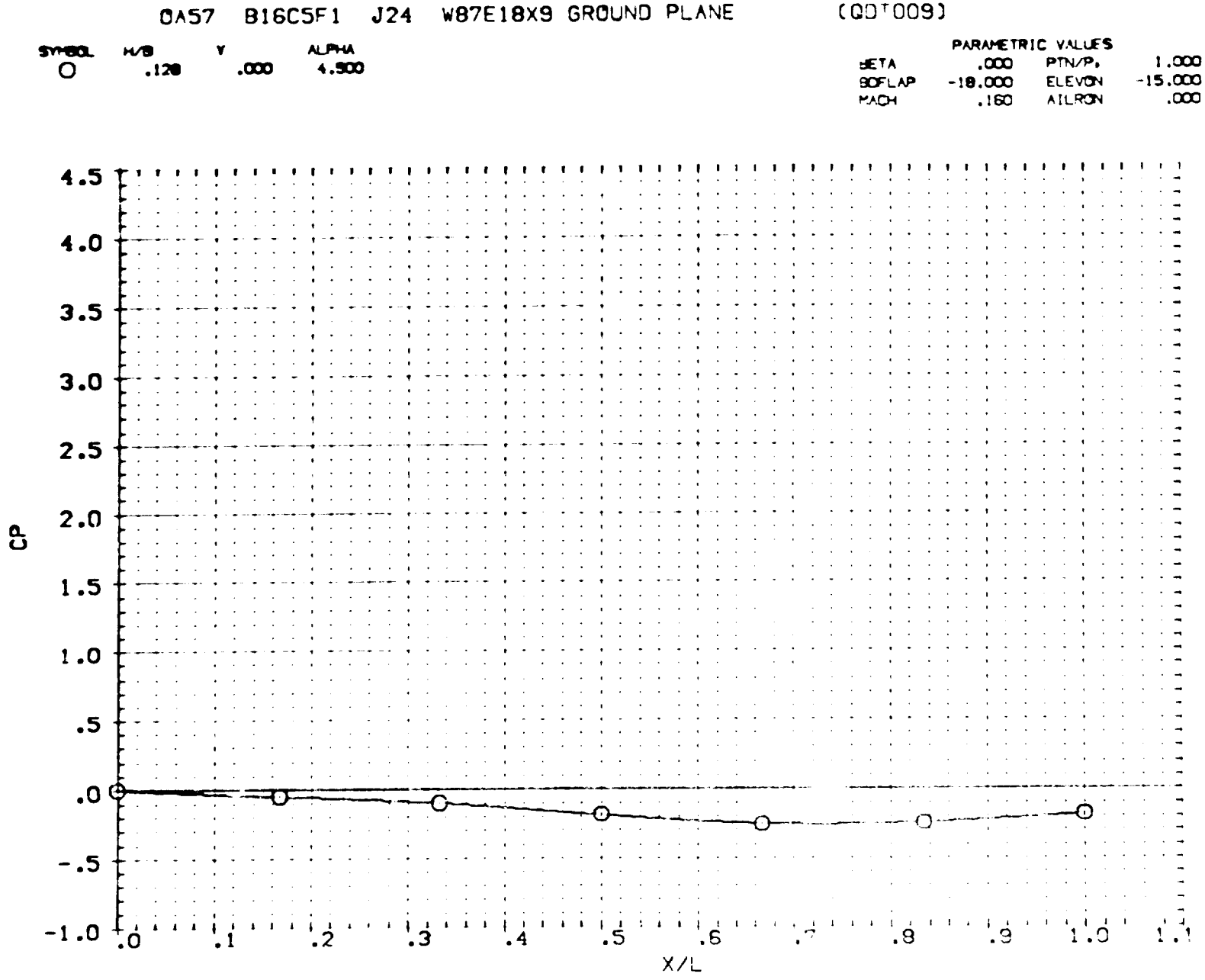


FIG 72 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL .24, PTN/P=1.0, ELEVON= 15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT009)

SYMBOL	H/B	Y	ALPHA
○	.032	.000	9.900
□	.128		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BOFLAP	-18.000	ELEVON	-15.000
MACH	.160	AILRON	.000

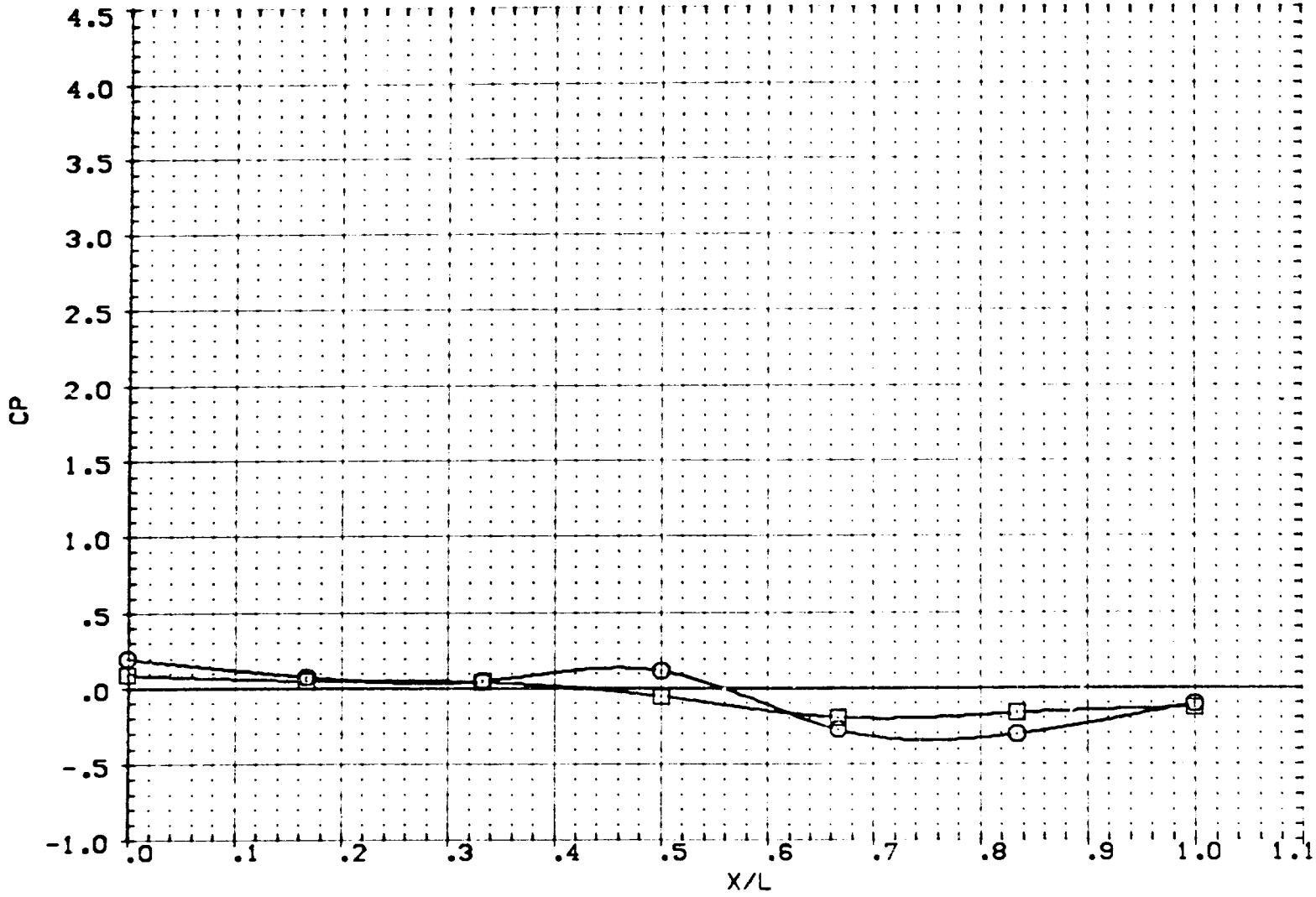


FIG 72 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON=-15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT009)

SYMBOL	H/B	Y	ALPHA
○	.032	.000	14.900
□	.128		

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.000
BOFLAP	-18.000	ELEVON	-15.000
MACH	.160	AILRON	.000

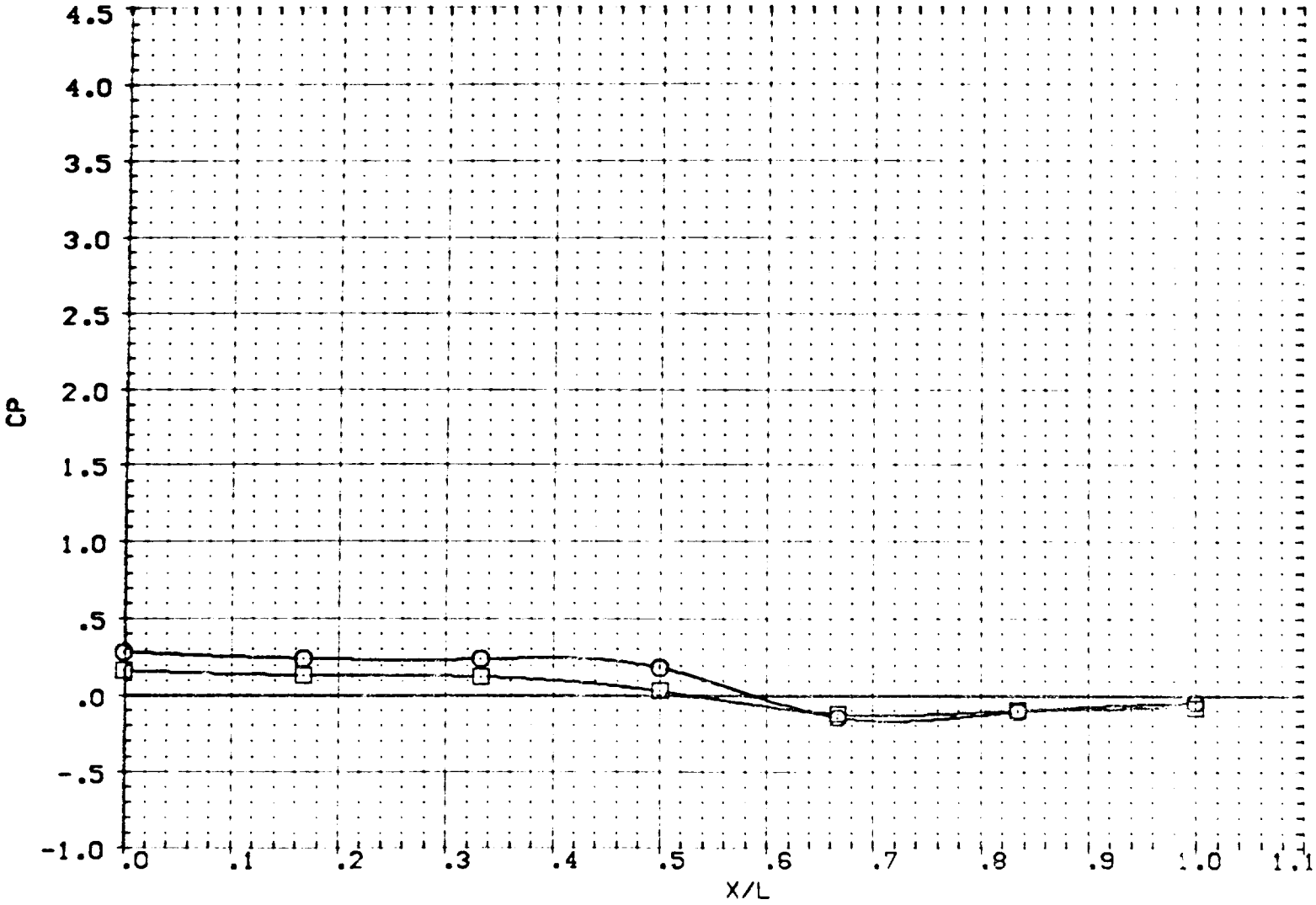


FIG 72 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.0, ELEVON=-15

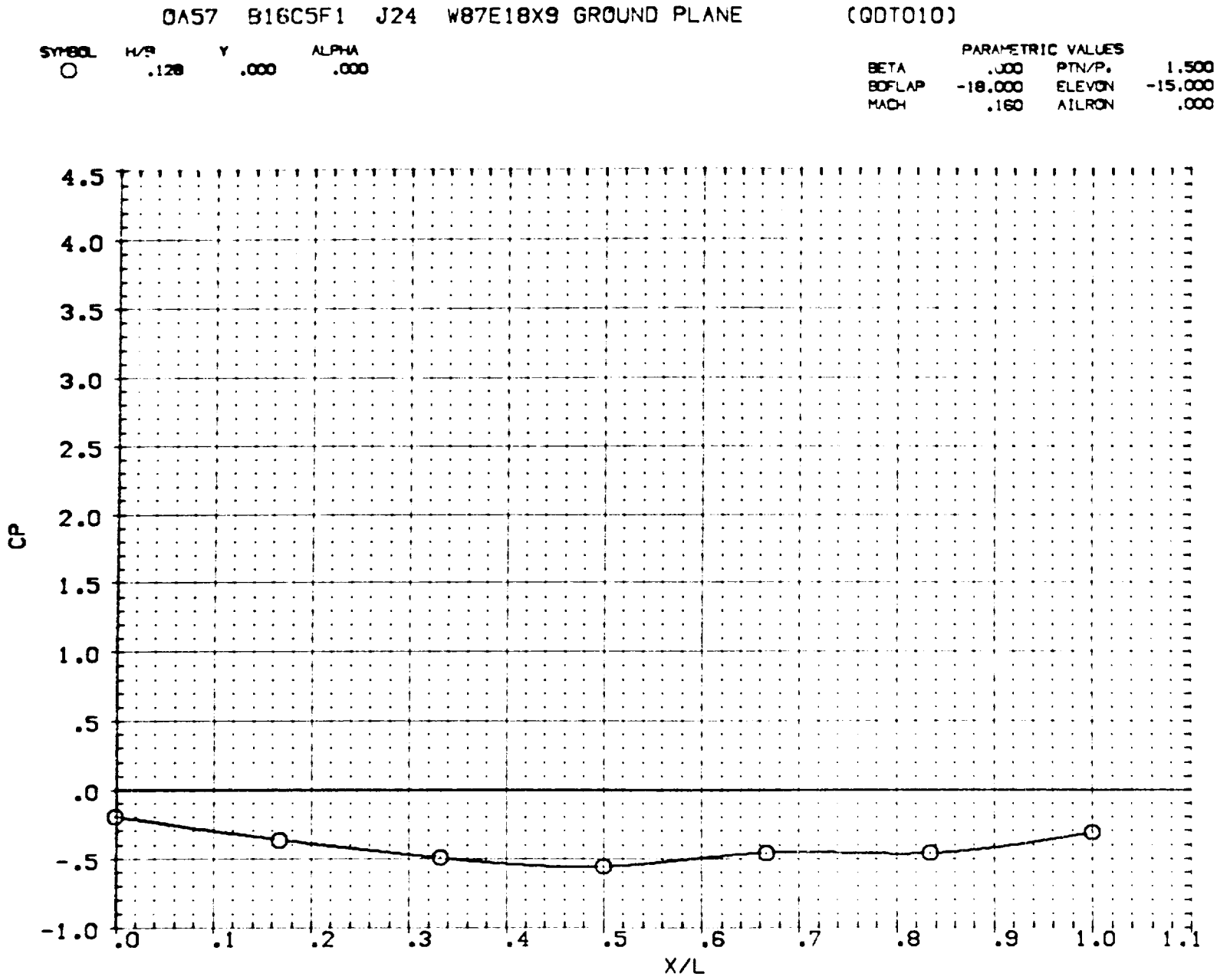


FIG 73 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON=-15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDTO10)

SYMBOL	H/B	Y	ALPHA
○	.128	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.500
BOFLAP	-18.000	ELEVON	-15.000
MACH	.160	AILRON	.000

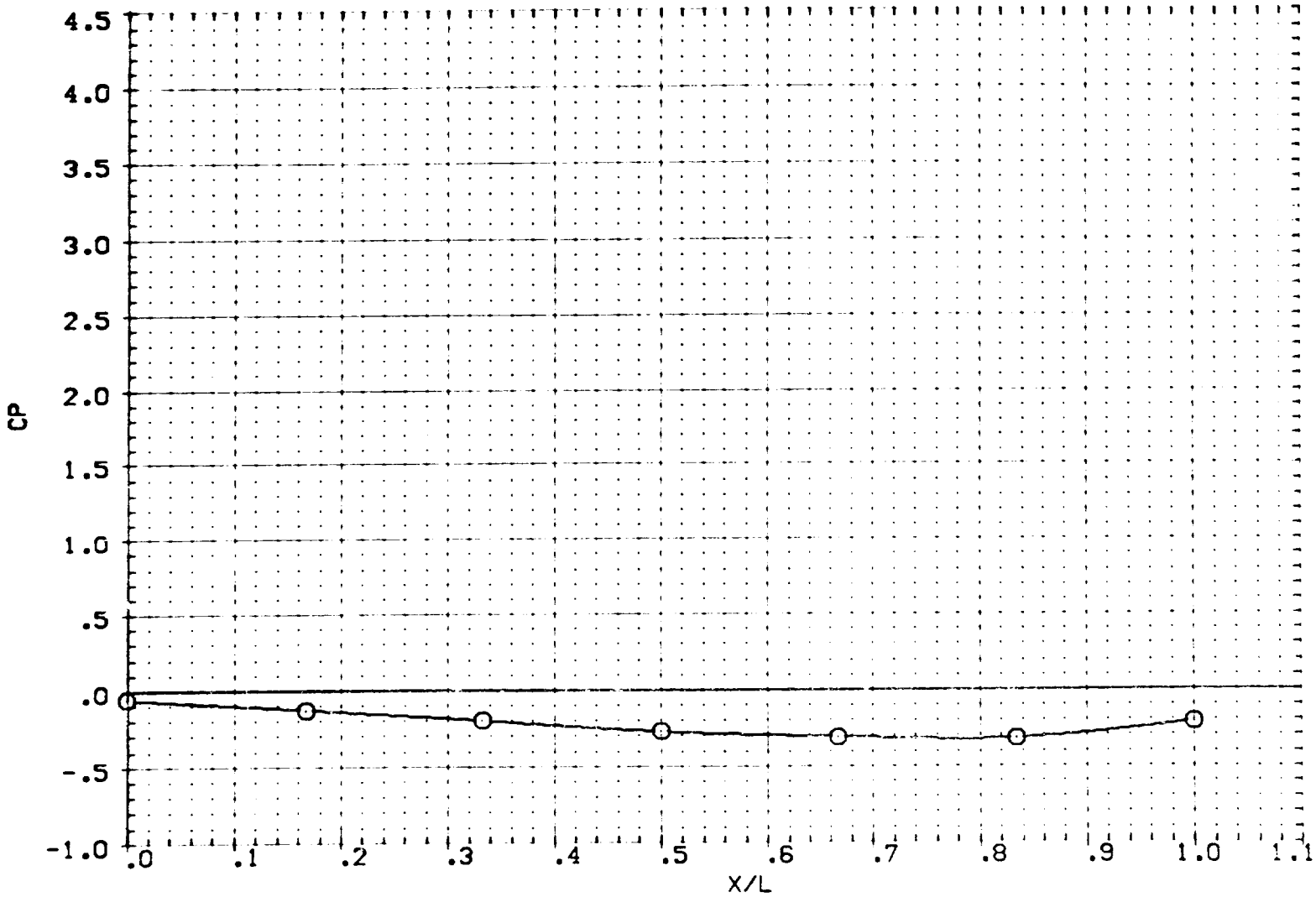


FIG 73 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J21, PTN/P=1.5, ELEVON=-15

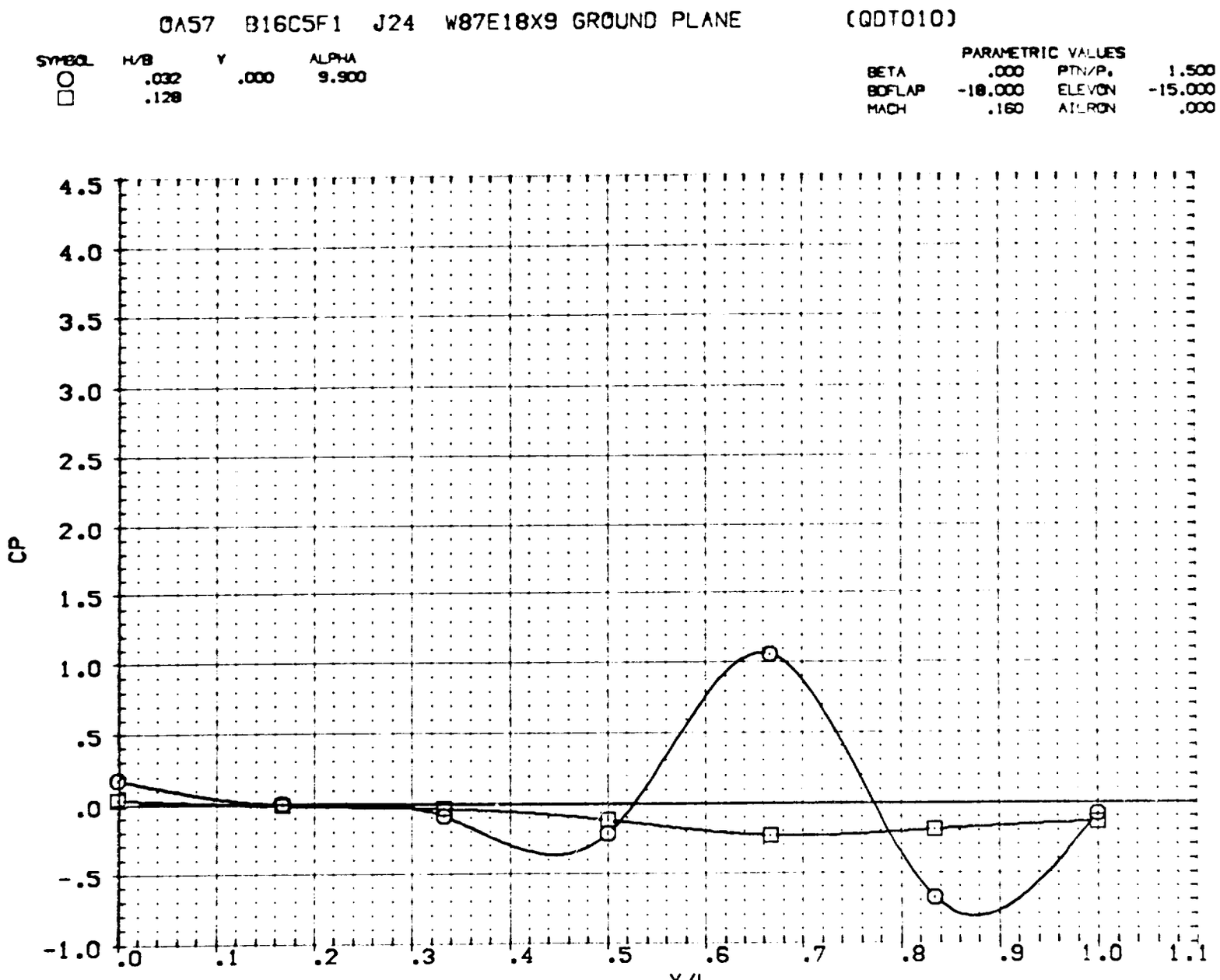


FIG 73 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON=-15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDTO10)

SYMBOL	H/B	Y	ALPHA
○	.032	.000	14.900
□	.128		

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.500
BOFLAP	-18.000	ELEVON	-15.000
MACH	.160	AILRON	.000

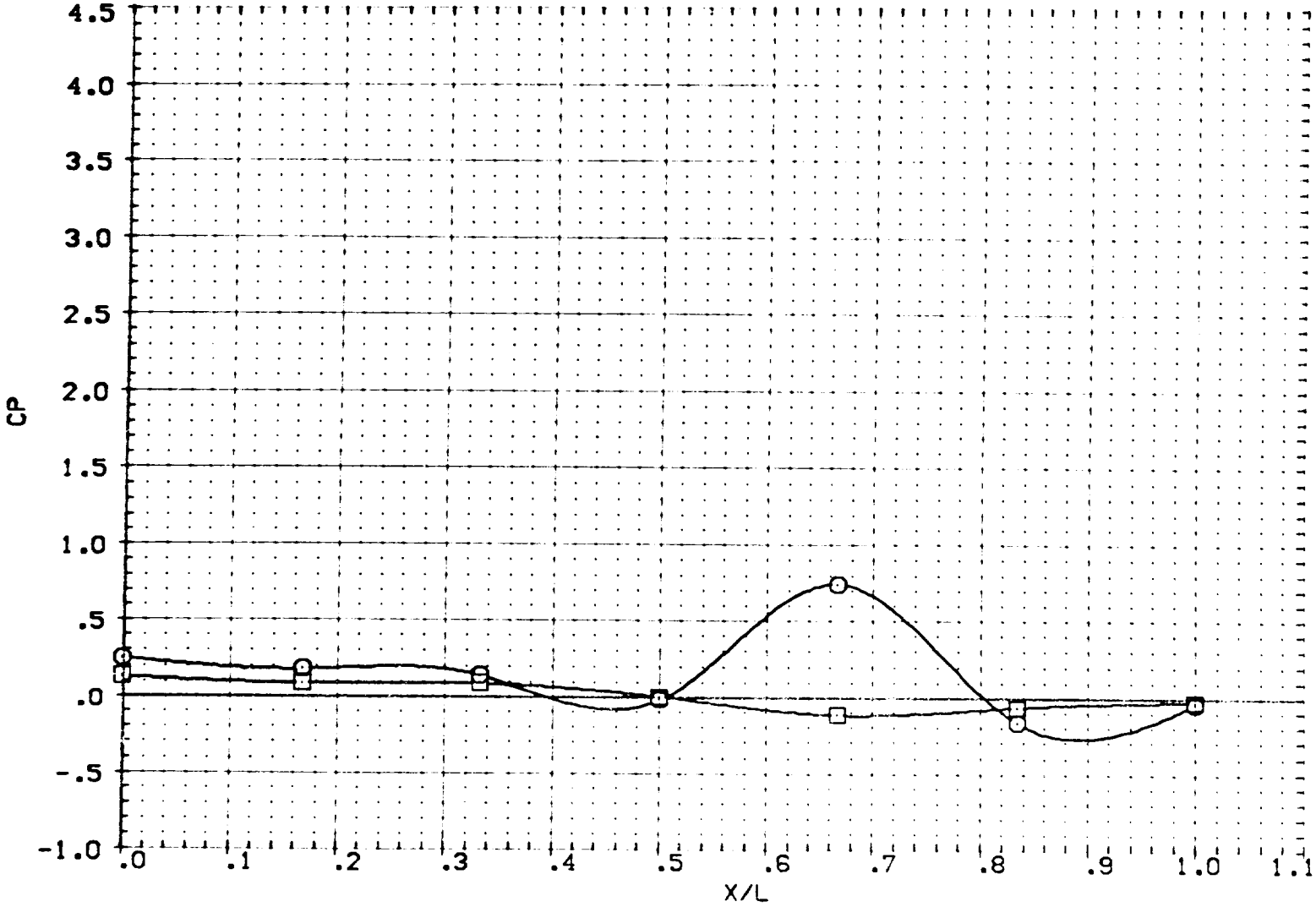


FIG 73 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.5, ELEVON=-15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDT011)

SYMBOL	H/B	Y	ALPHA
○	.128	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BOFLAP	-18.000	ELEVON	-15.000
MACH	.160	AILRON	.000

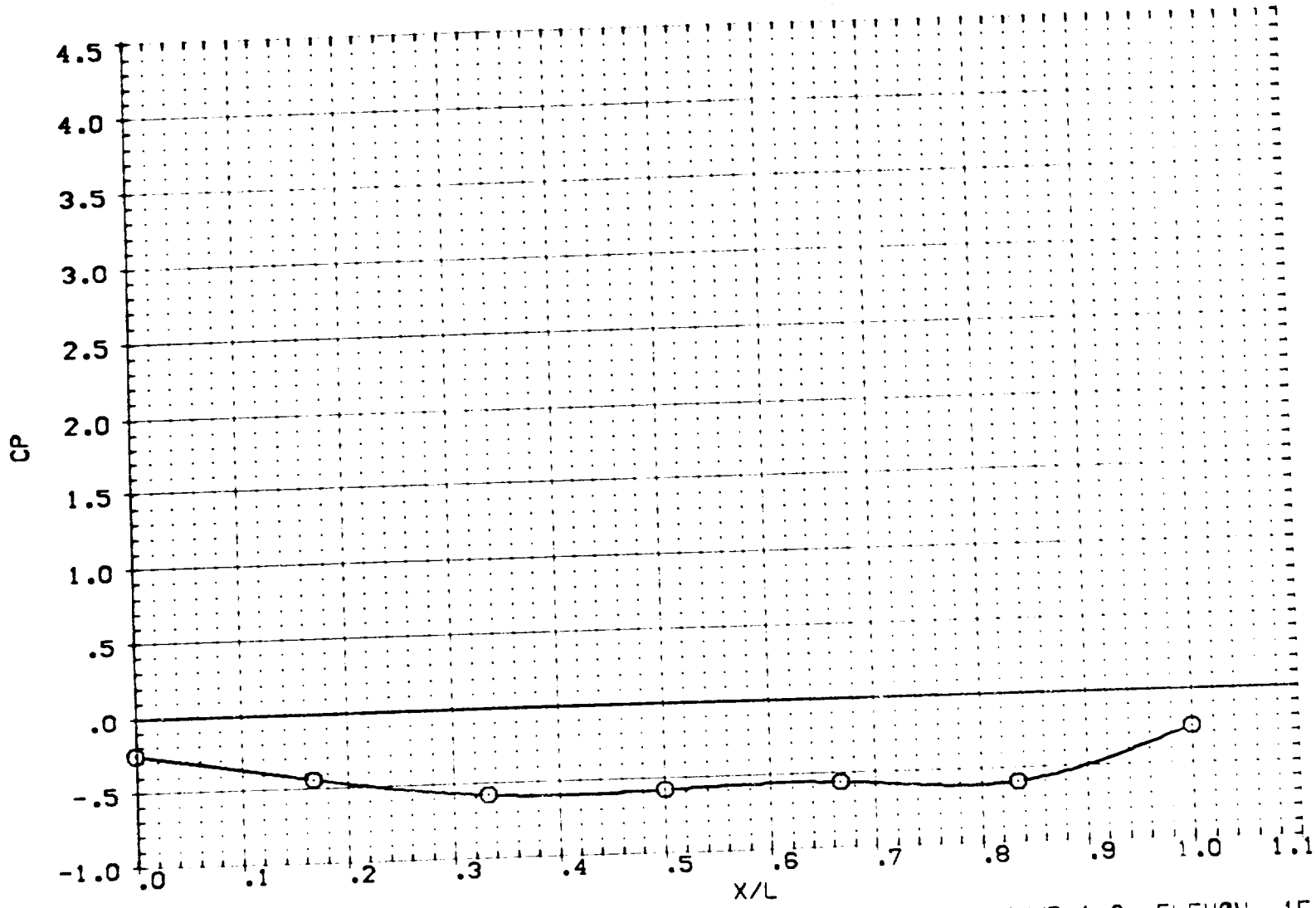


FIG 74 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON=-15

0A57 B16C5F1 J24 W87E18X9 GROUND PLANE (QDTO11)

SYMBOL	H/B	Y	ALPHA
O	.128	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.900
BOFLAP	-18.000	ELEVON	-15.000
MACH	.160	AILRON	.000

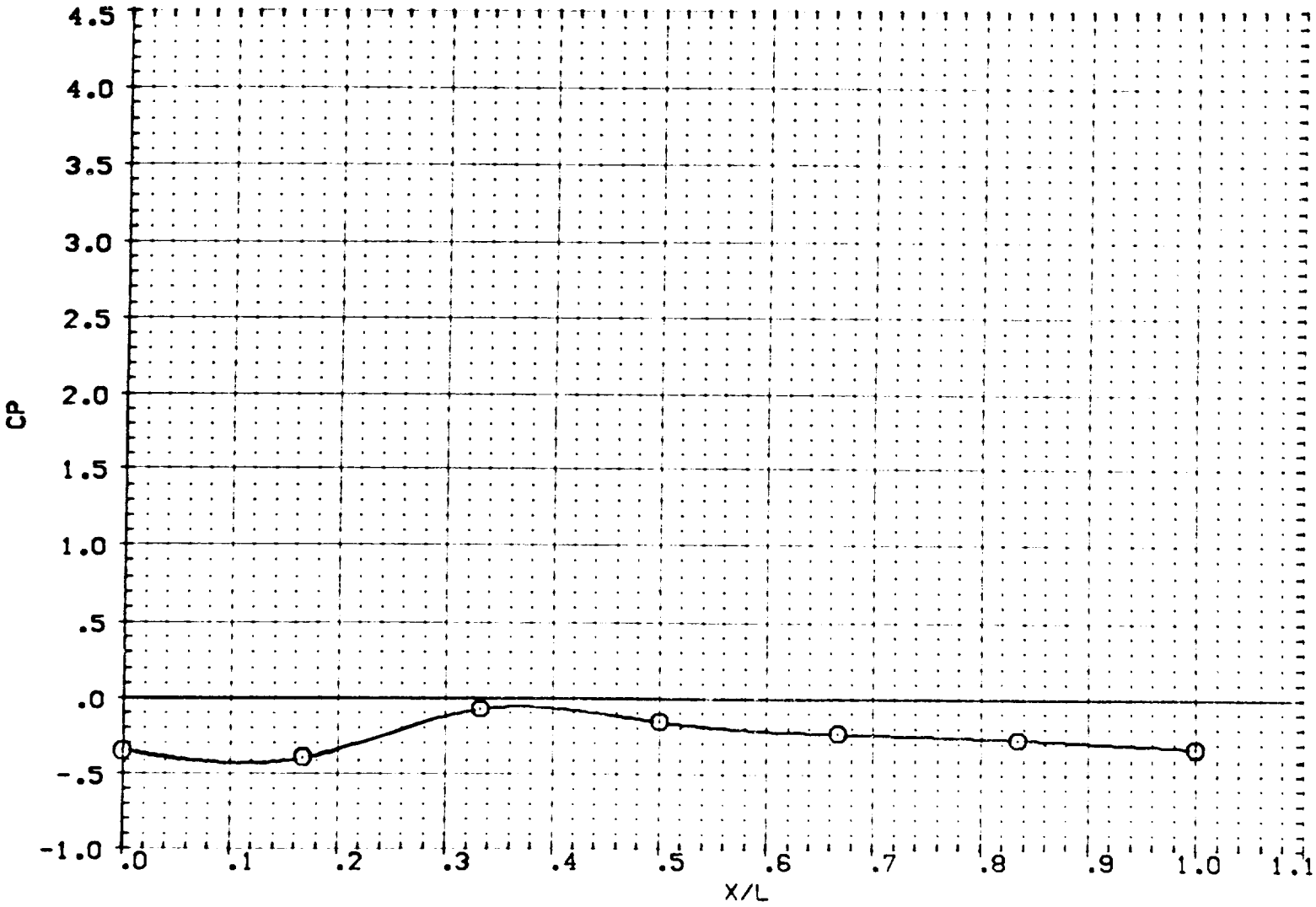


FIG 74 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON=-15

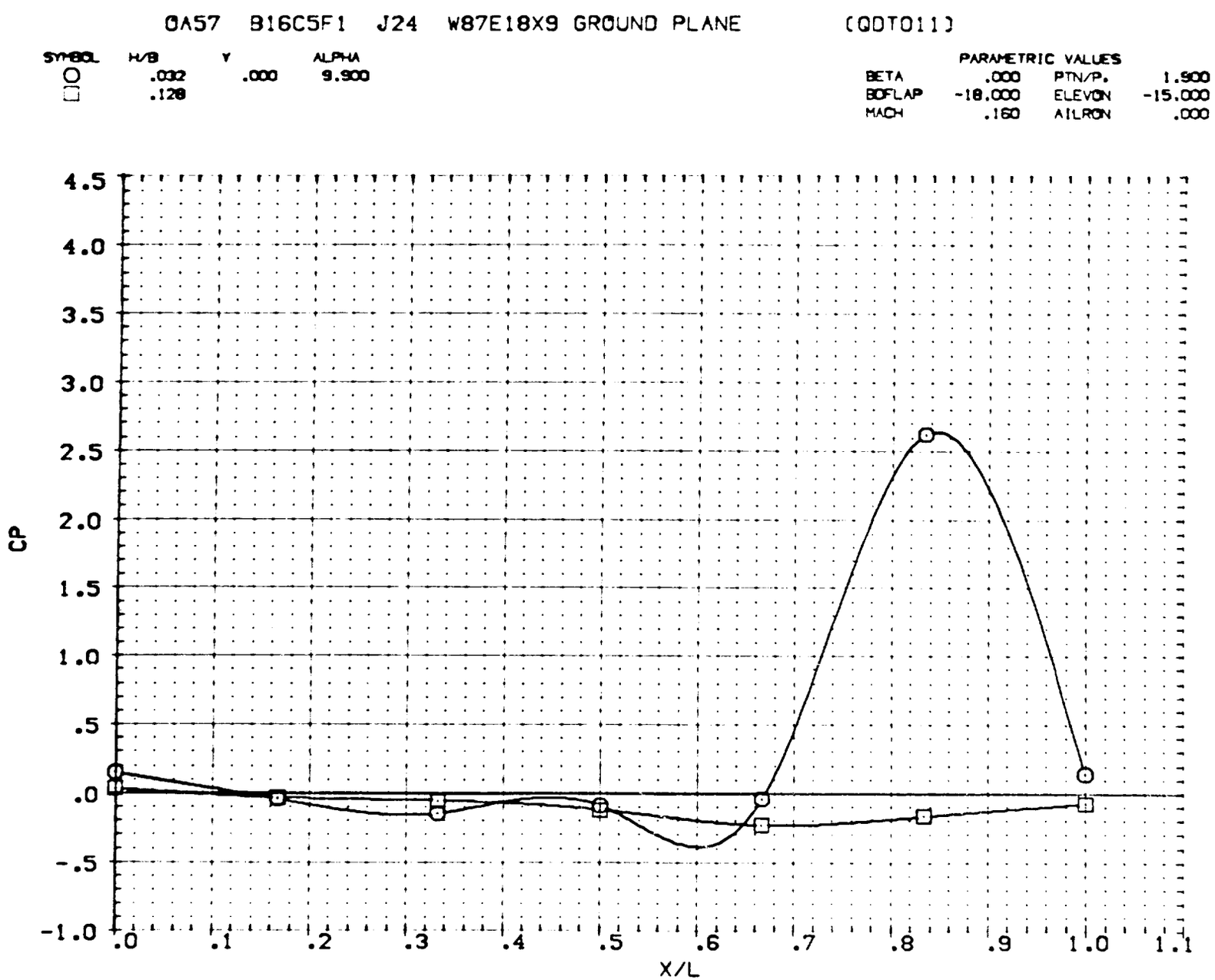


FIG 74 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON=-15

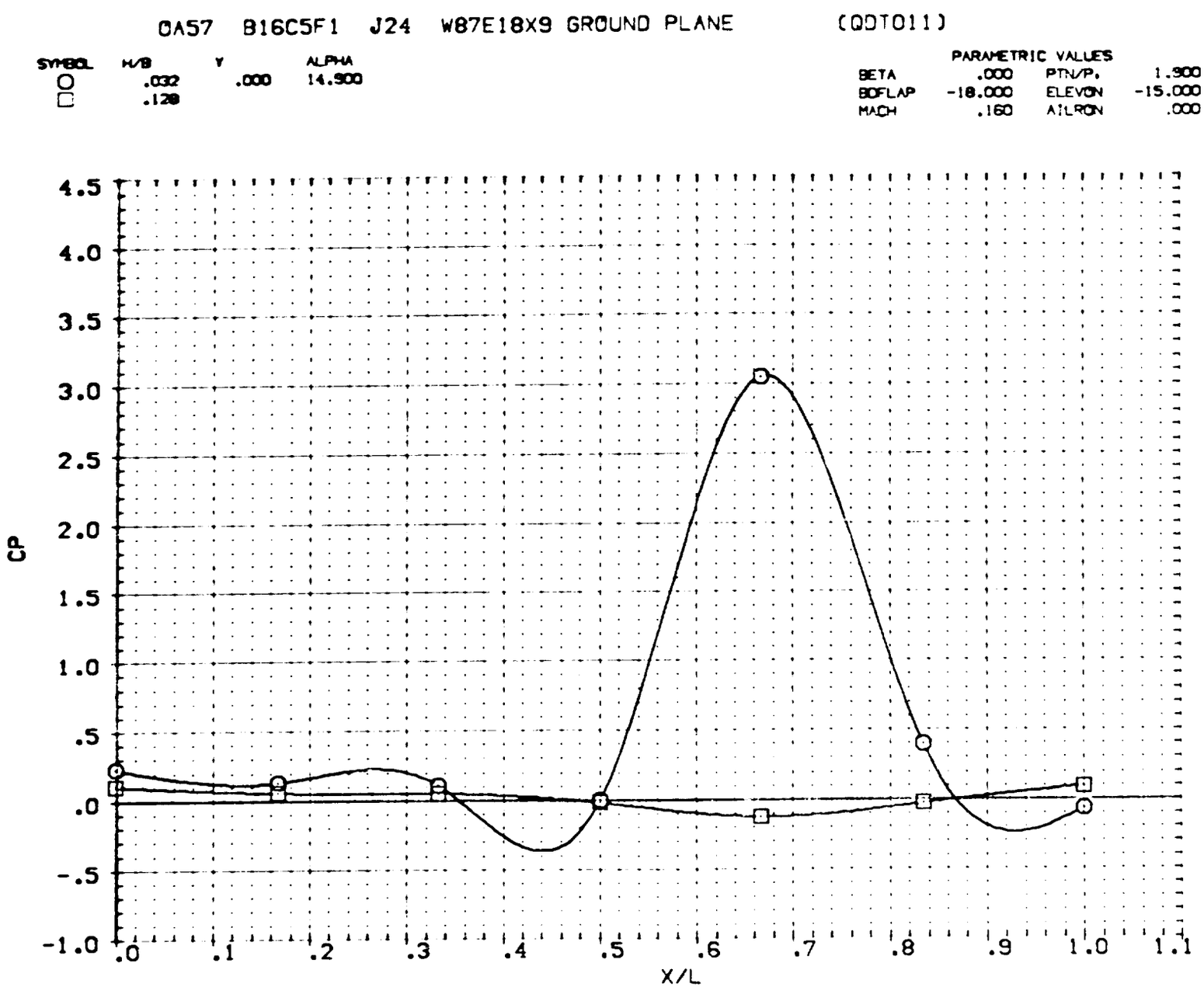


FIG 74 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J24, PTN/P=1.9, ELEVON=-15

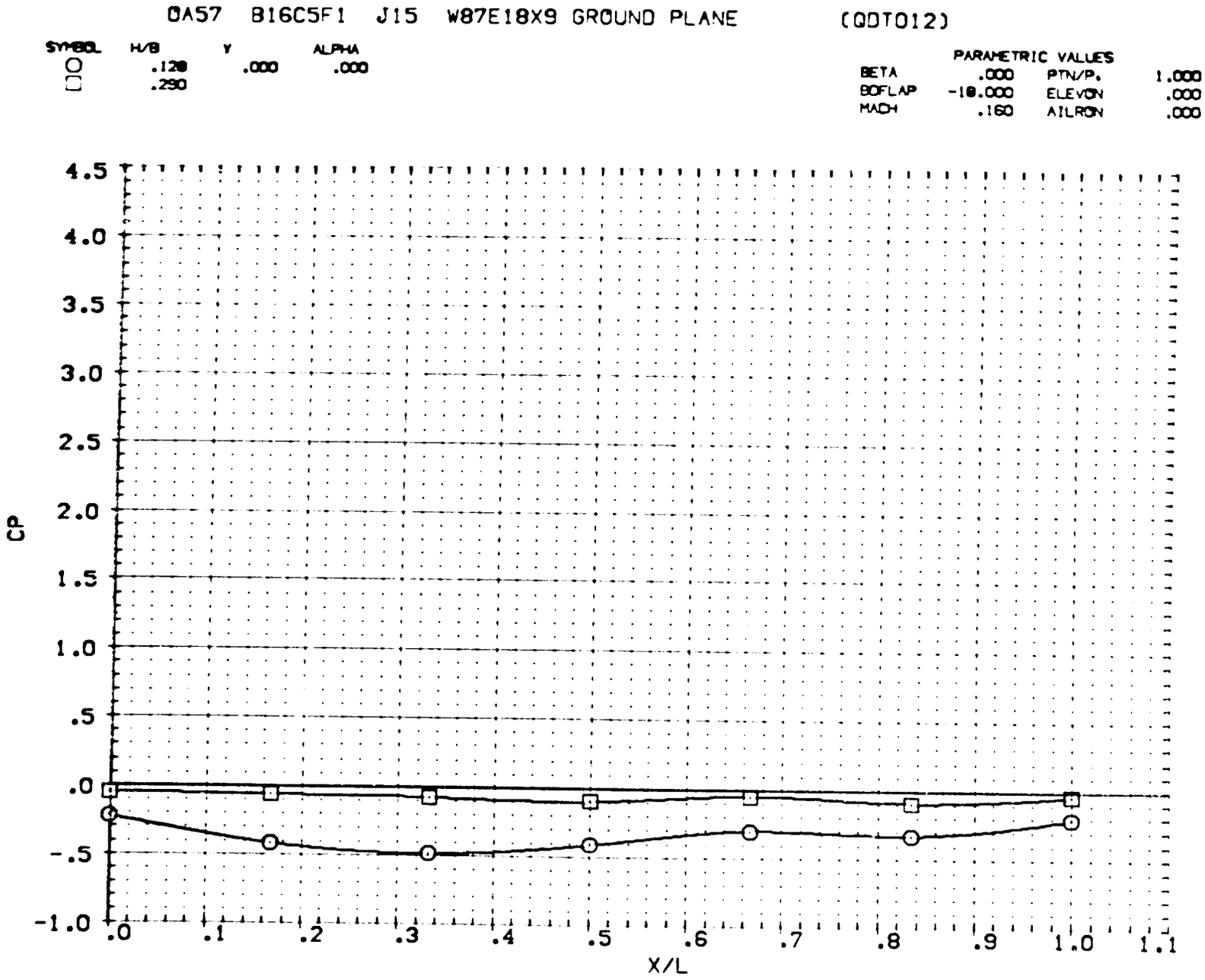


FIG 75 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 0

SYMBOL	M/B	Y	ALPHA
○	.120	.000	4.900
□	.250		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BOFLAP	-10.000	ELEVON	.000
MACH	.160	AILRON	.000

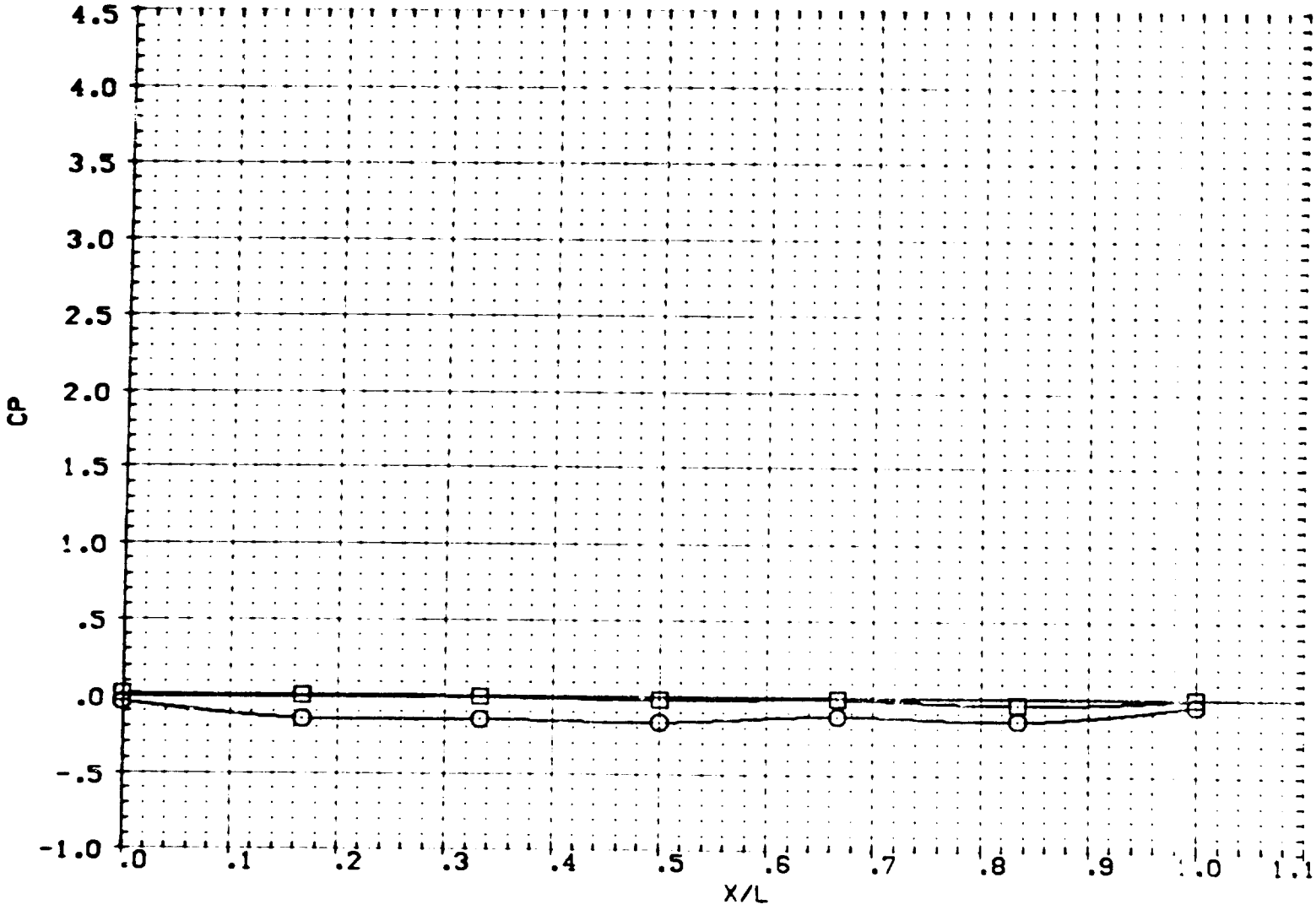


FIG 75 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 0

SYMBOL	H/B	Y	ALPHA
○	.032	.000	9.900
□	.128		
◇	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BDFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

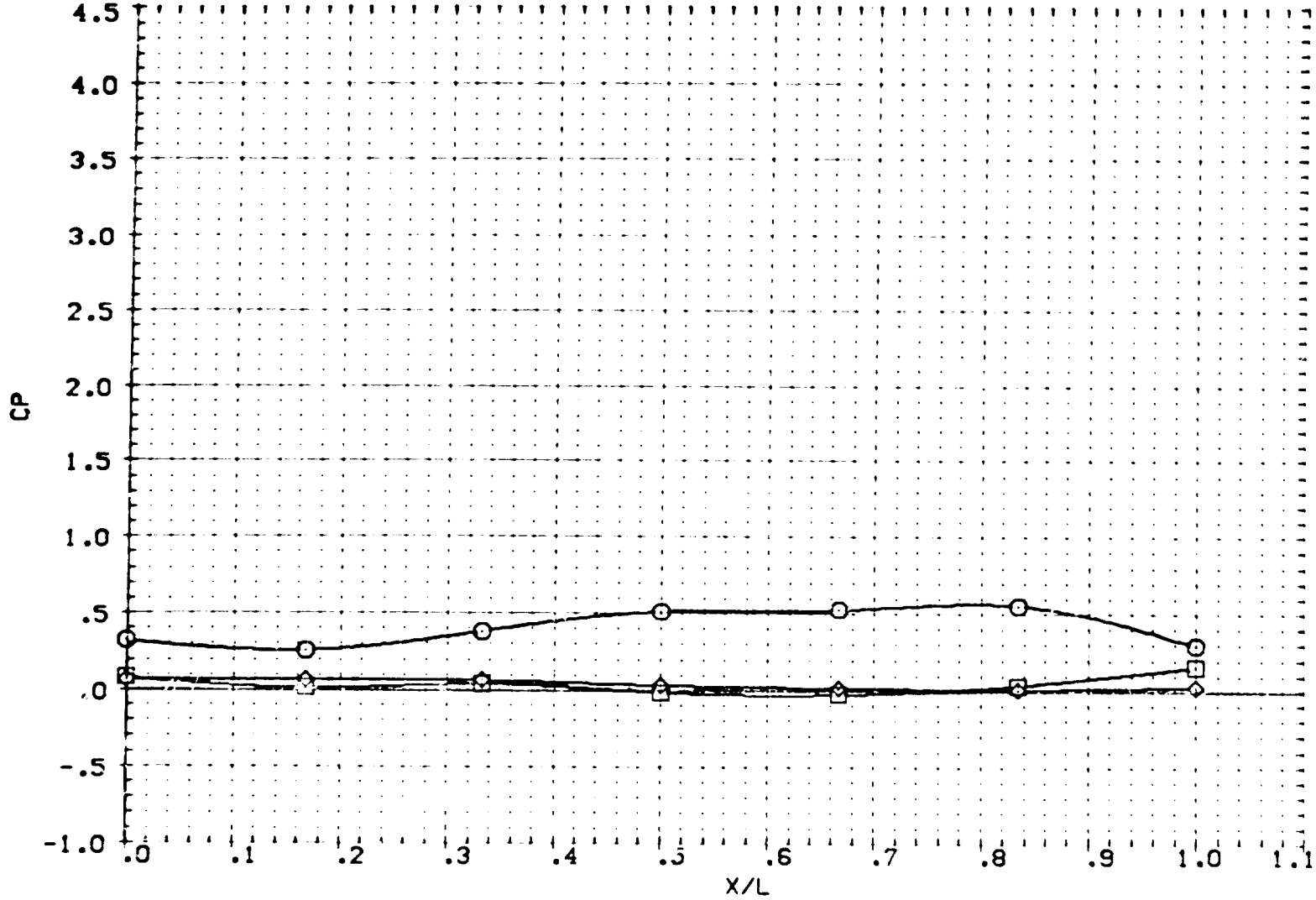


FIG 75 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 0

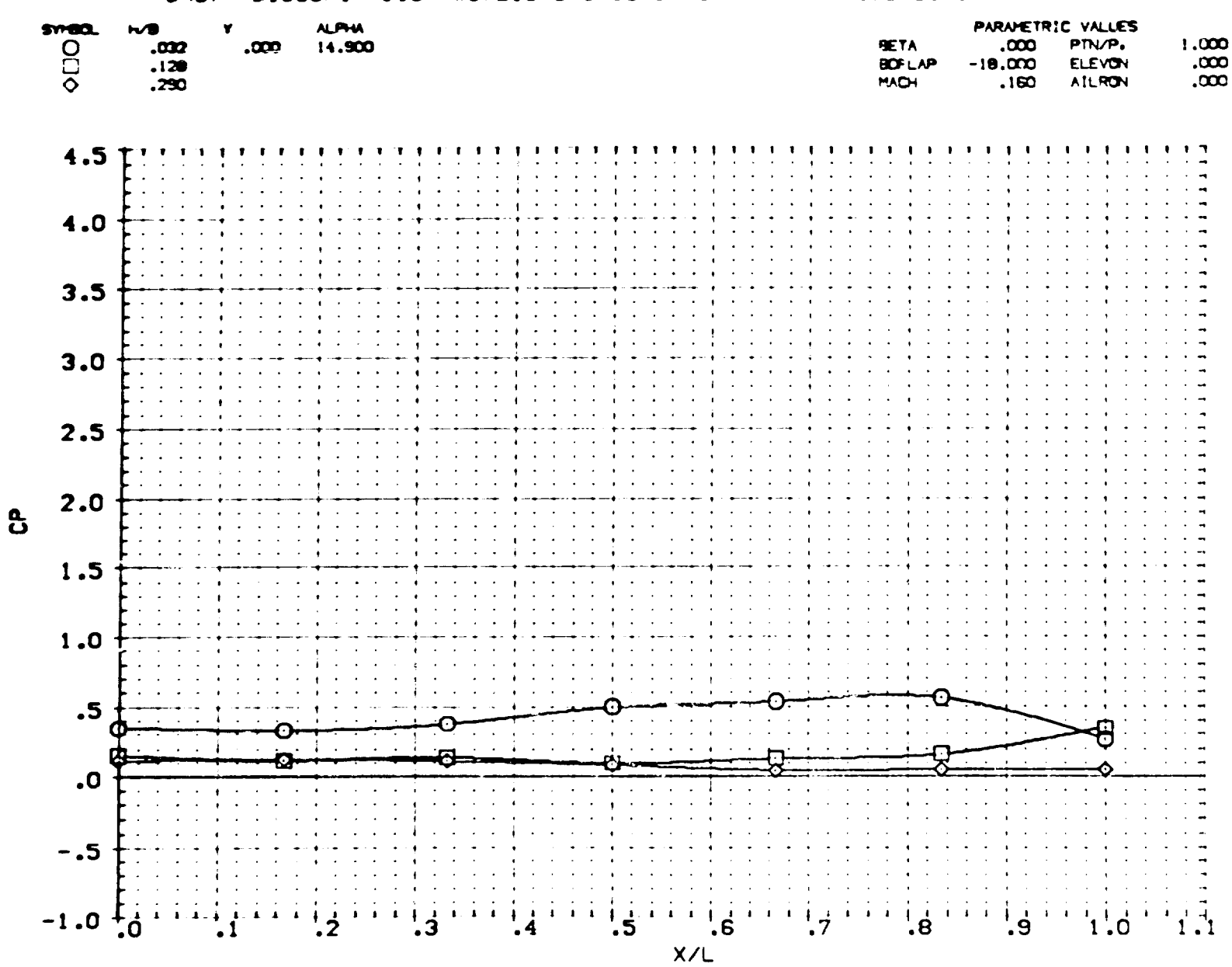


FIG 75 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDTO13)

SYMBOL	H/B	Y	ALPHA
O	.289	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.300
BDFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

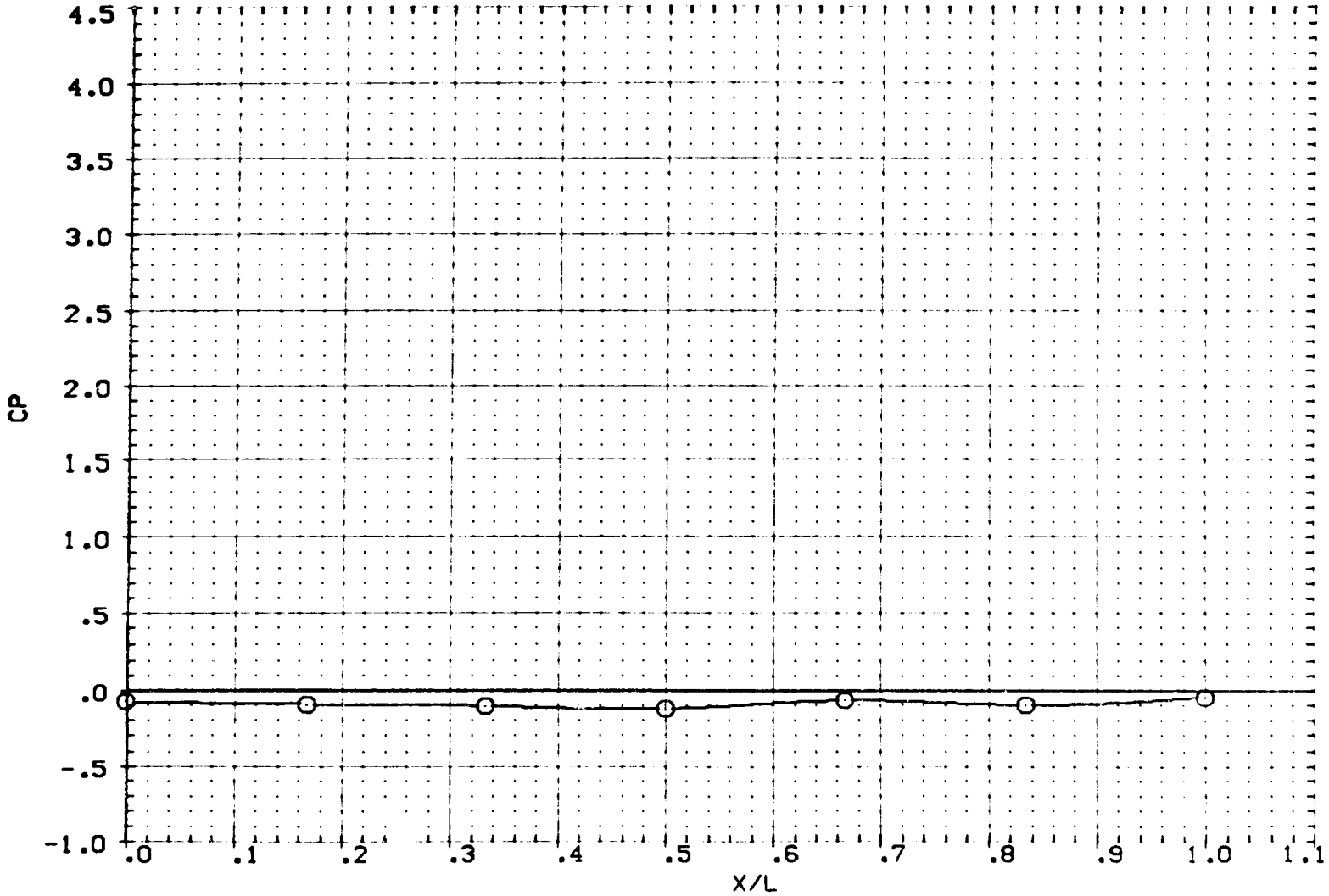


FIG 76 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT013)

SYMBOL	H/B	Y	ALPHA
O	.289	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.300
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

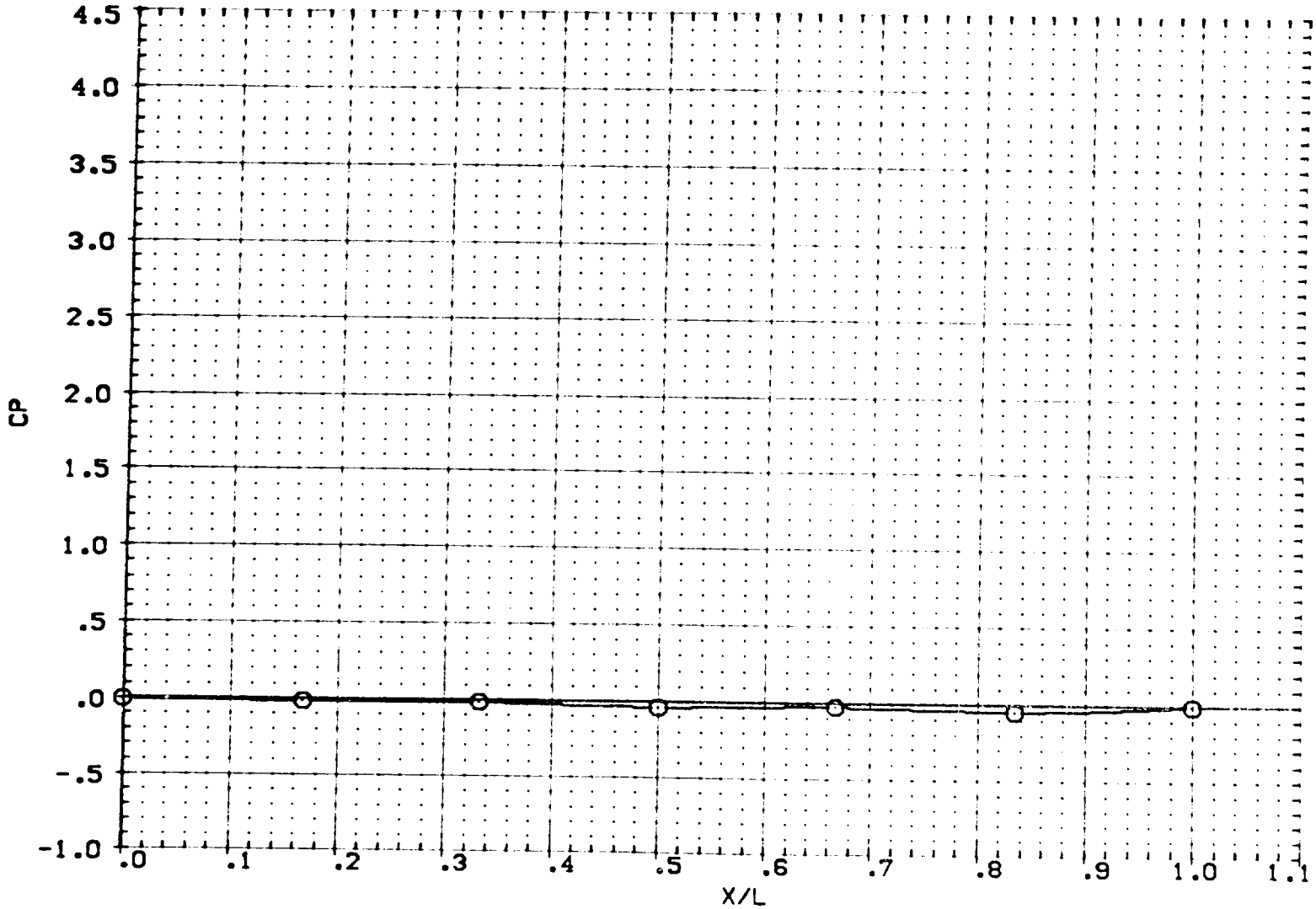


FIG 76 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 0

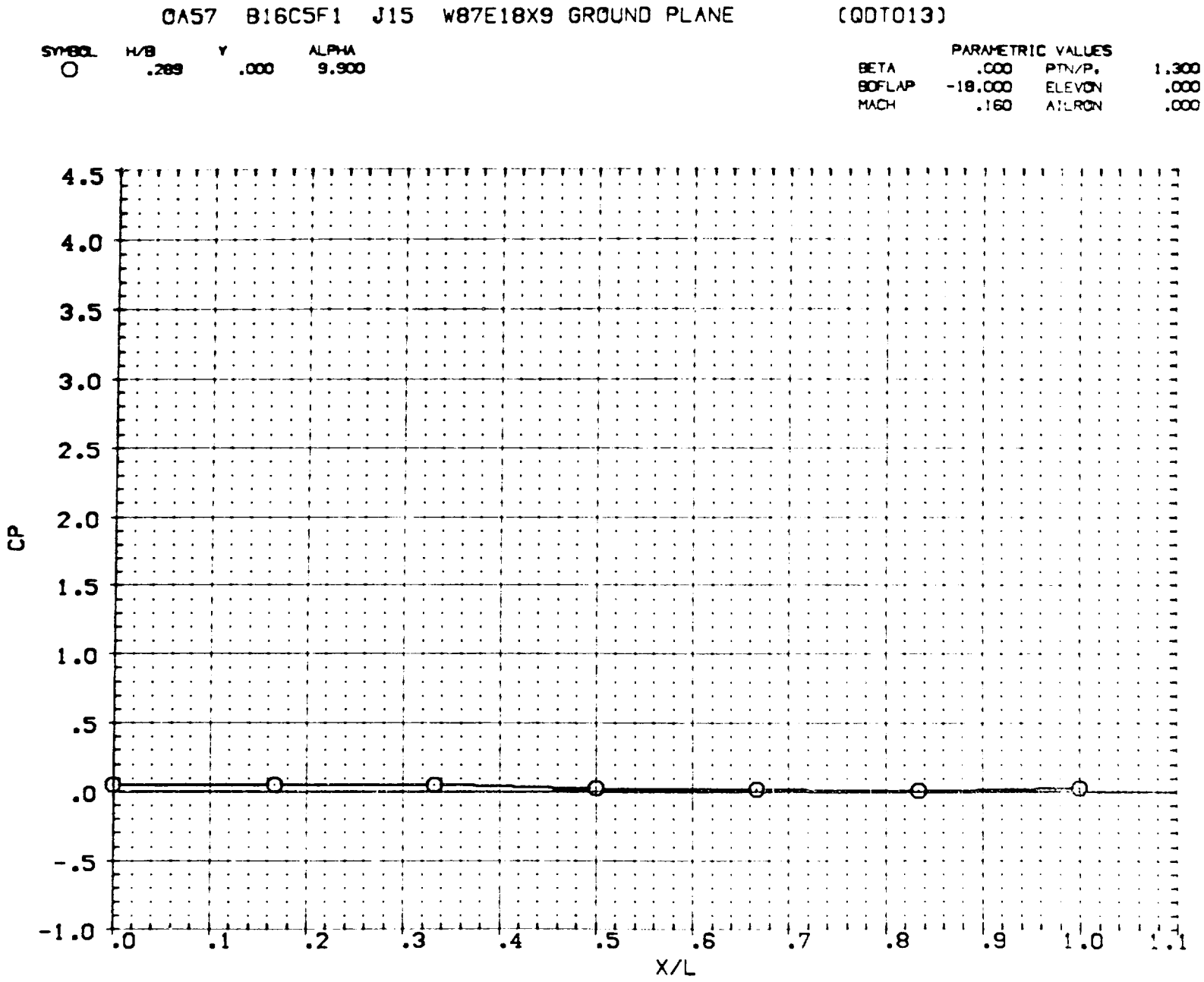


FIG 76 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELE ON= 0

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT013)

SYMBOL	H/B	Y	ALPHA
O	.289	.000	14.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.300
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

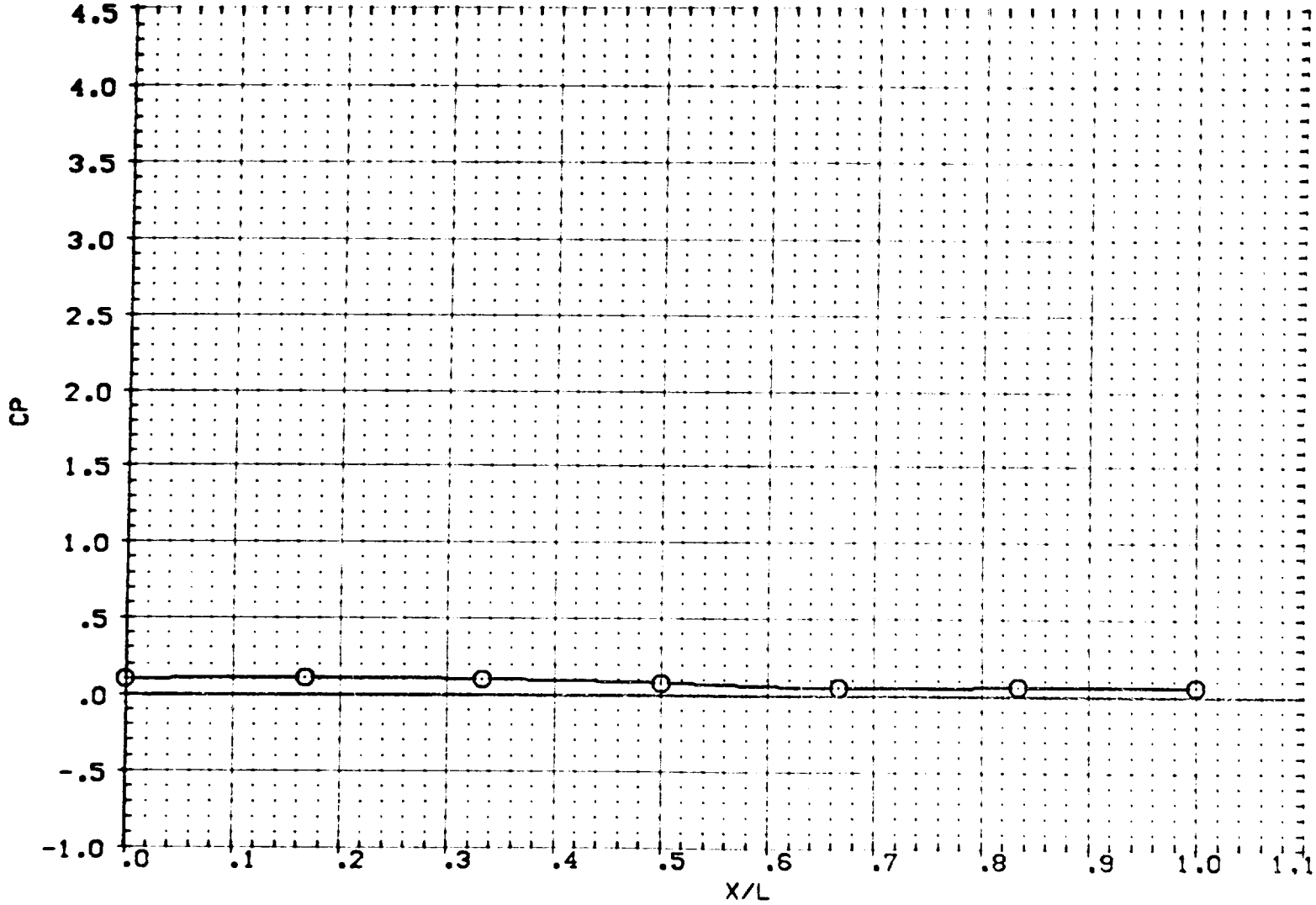


FIG 76 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDTO14)

SYMBOL	H/B	Y	ALPHA
○	.120	.000	.000
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.900
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

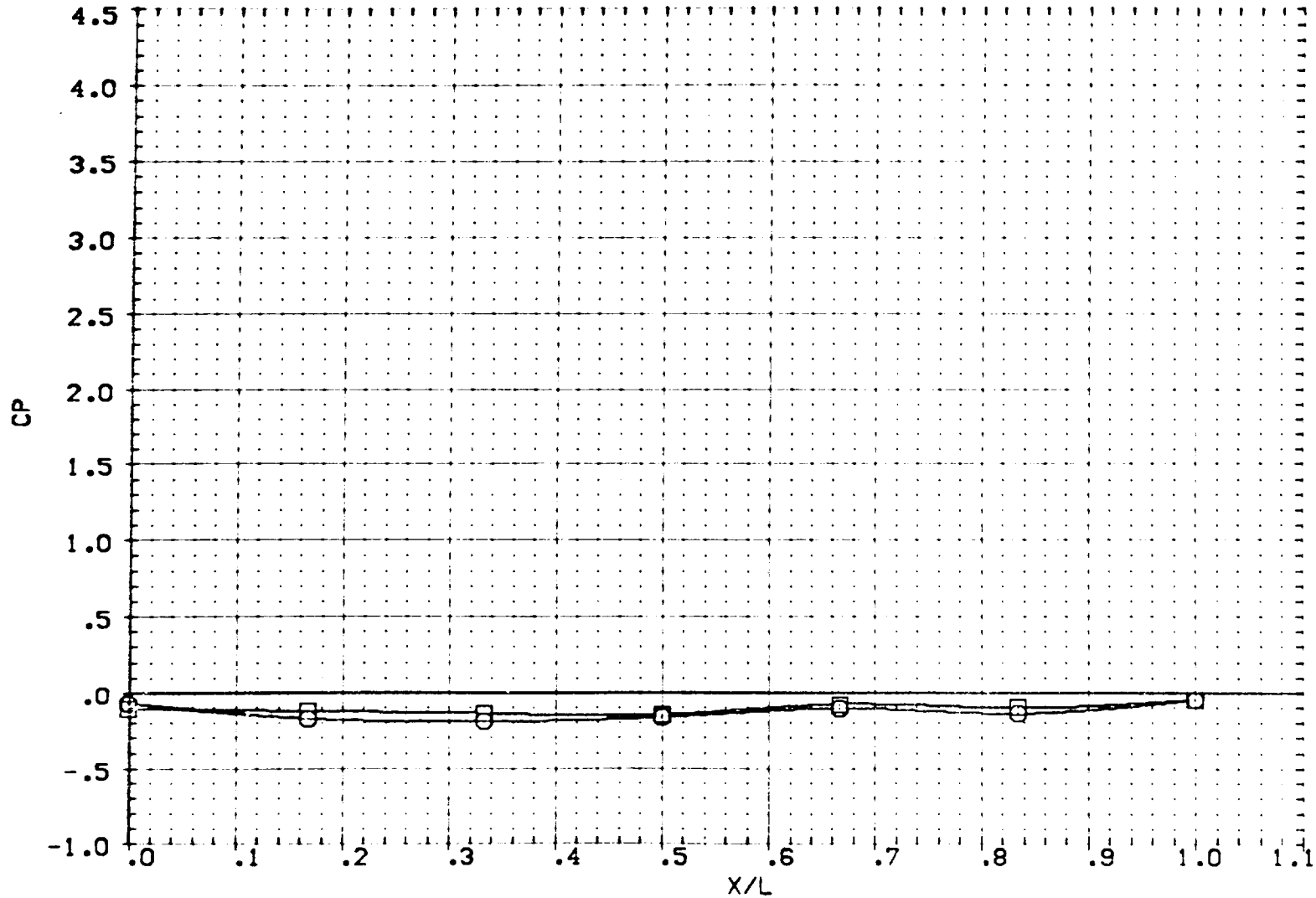


FIG 77 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDTO14)

SYMBOL	H/B	Y	ALPHA
○	.128	.000	4.900
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.900
BOFLAP	-18.000	ELEVON	.000
MACH	.160	AILRON	.000

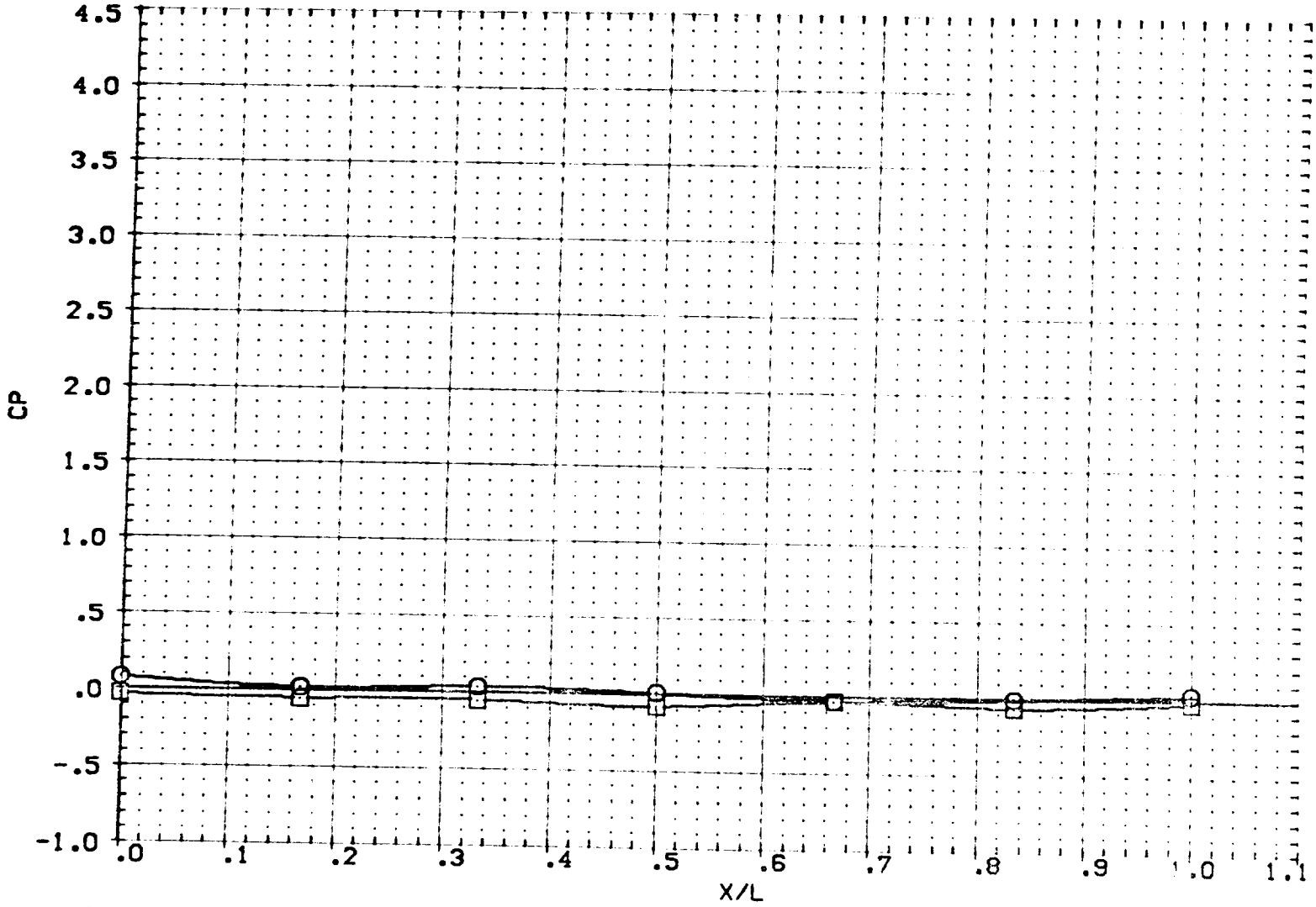


FIG 77 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 0

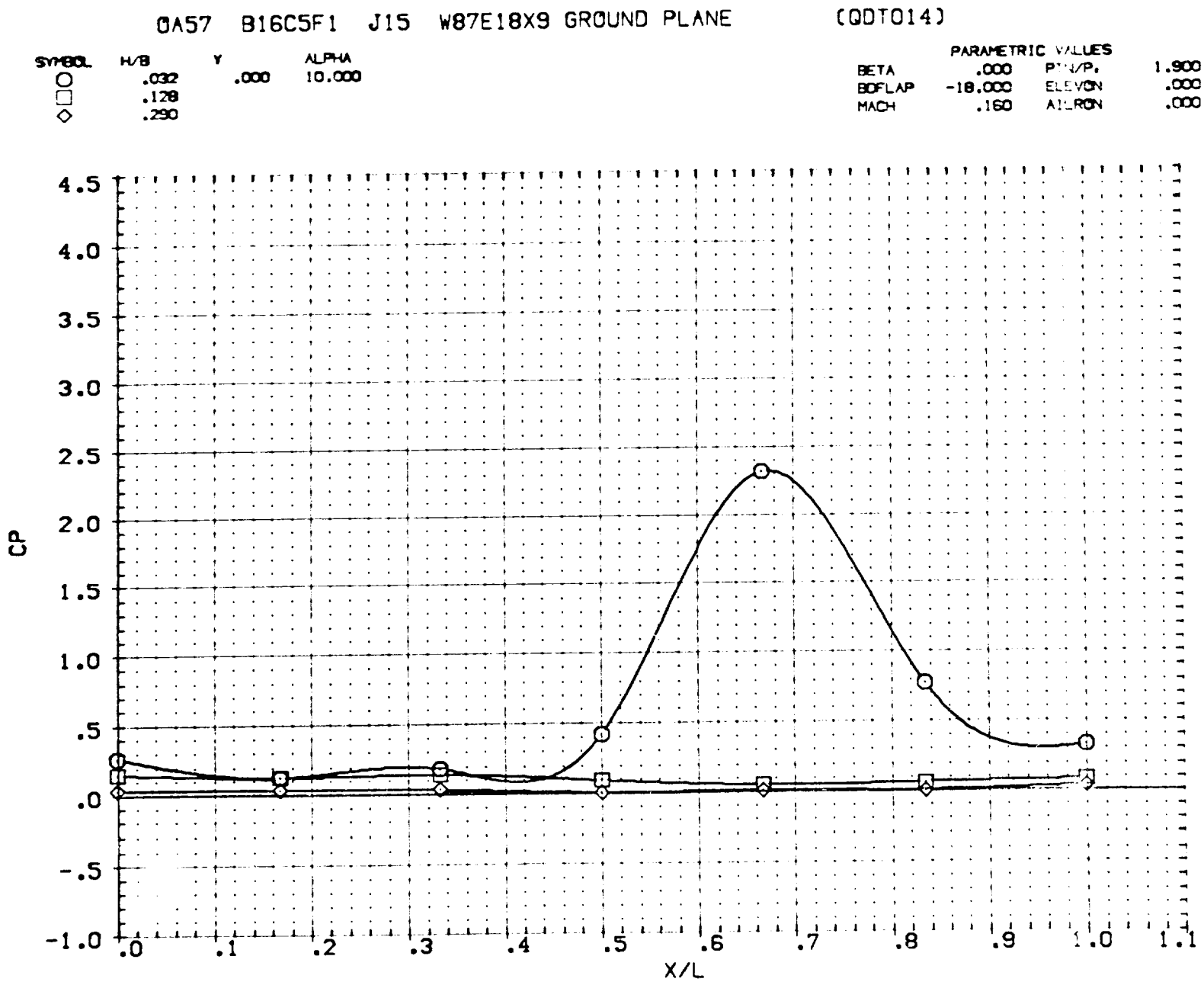


FIG 77 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 0

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDTO14)

SYMBOL	H/B	Y	ALPHA
○	.032	.000	15.000
□	.128		
◇	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BOFLAP	-10.000	ELEVON	.000
MACH	.160	AILRON	.000

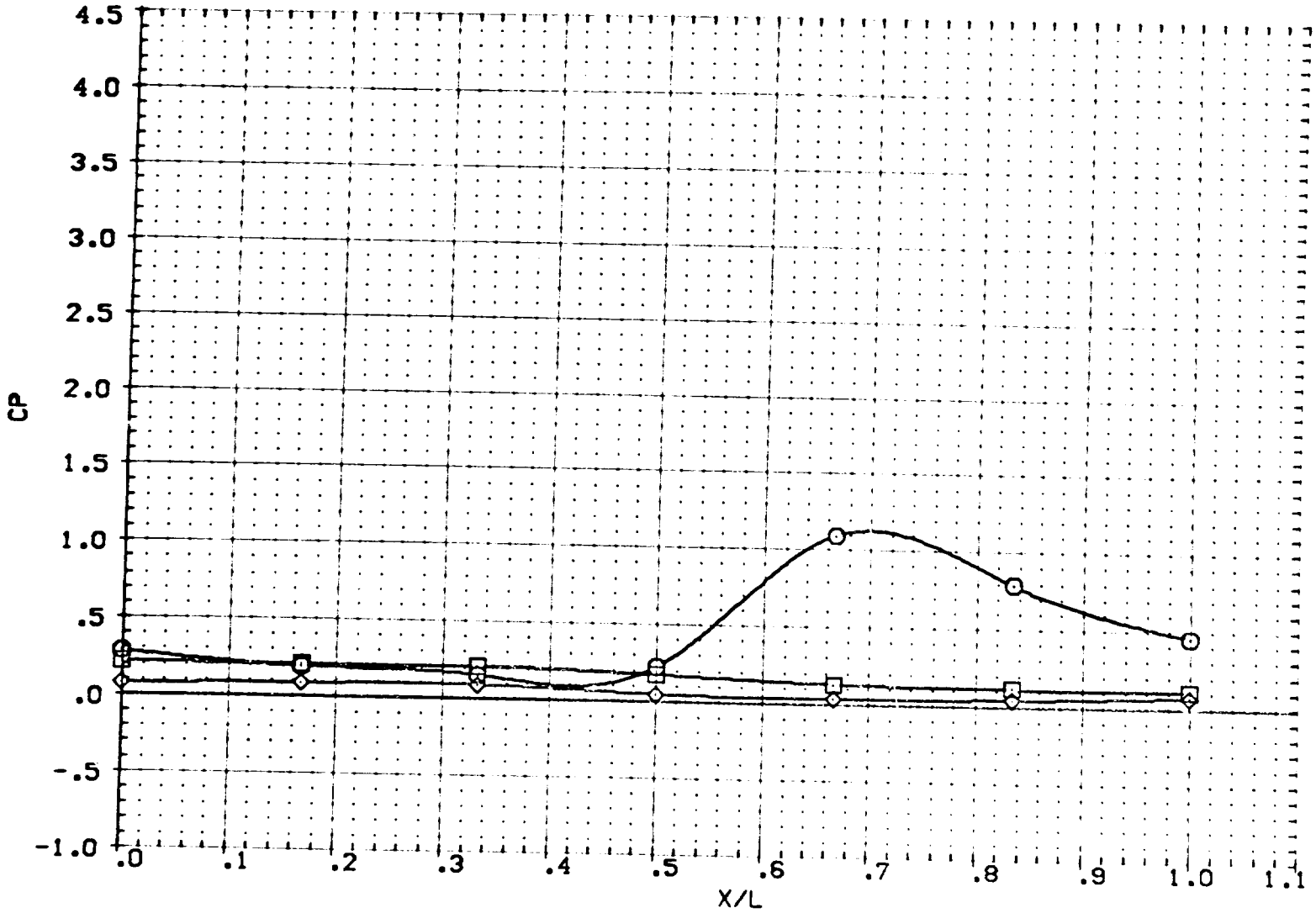


FIG 77 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 0

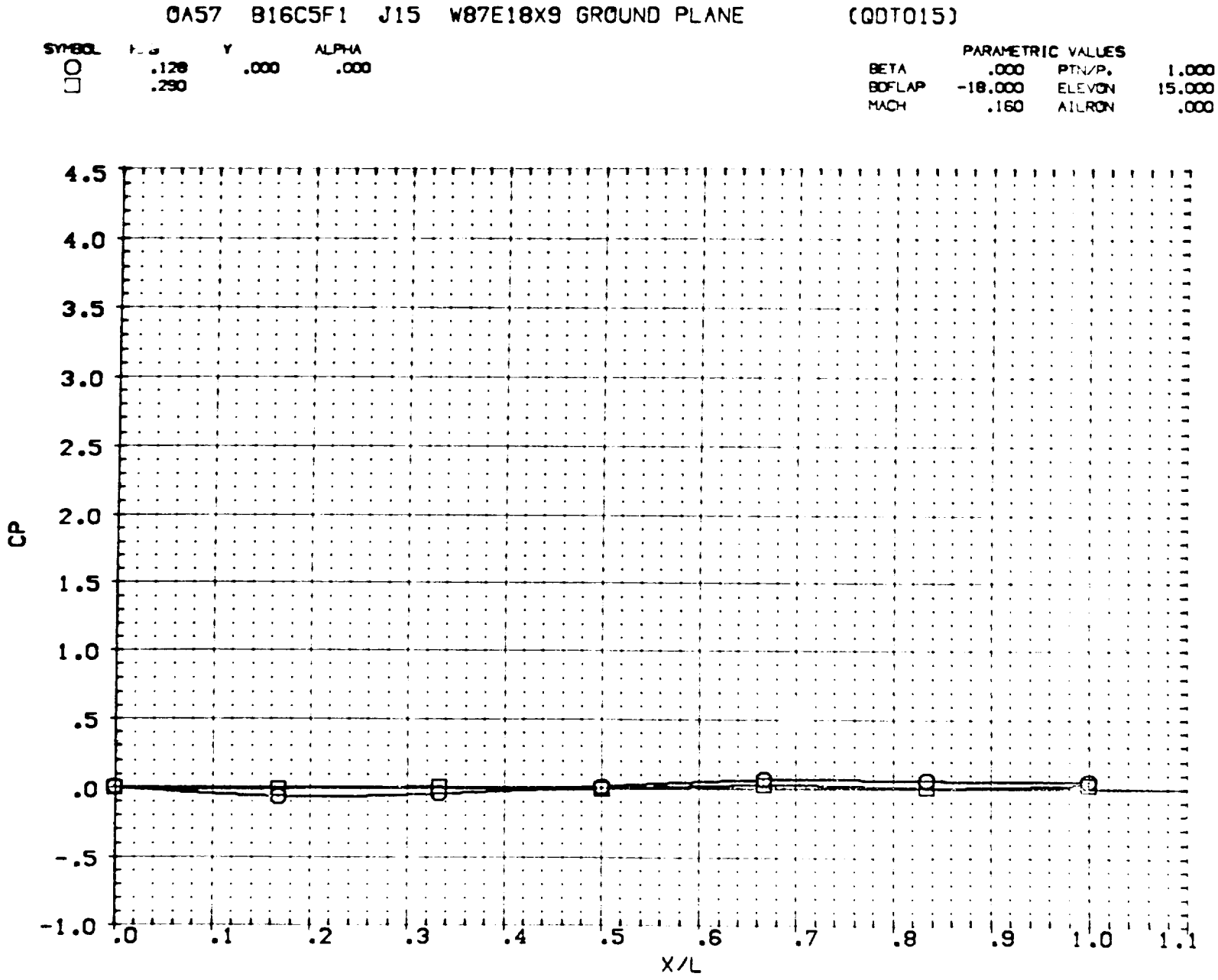


FIG 78 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 15

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDTO15)

SYMBOL	H/B	Y	ALPHA
○	.128	.000	4.900
□	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

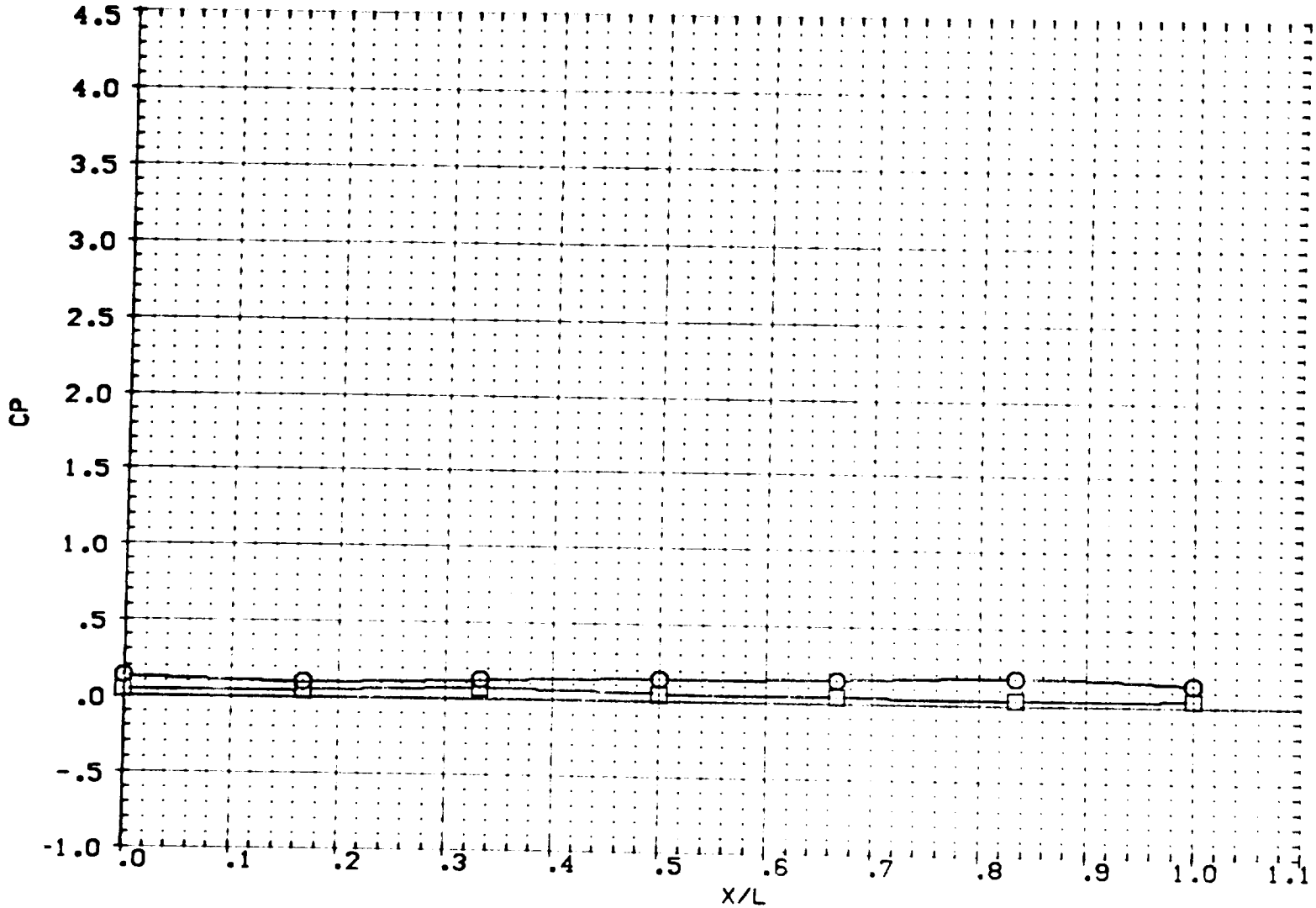


FIG 78 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 15

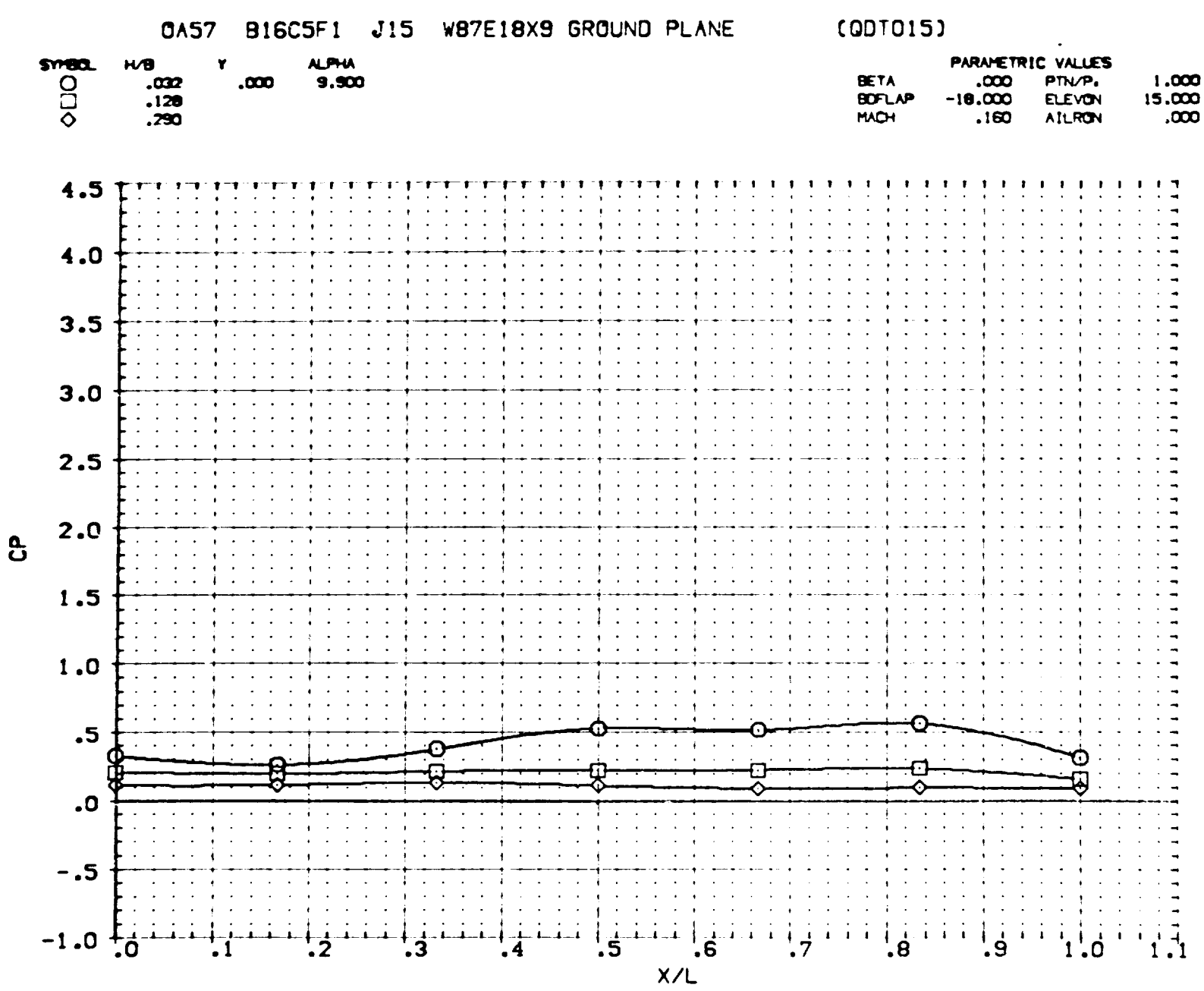


FIG 78 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 15

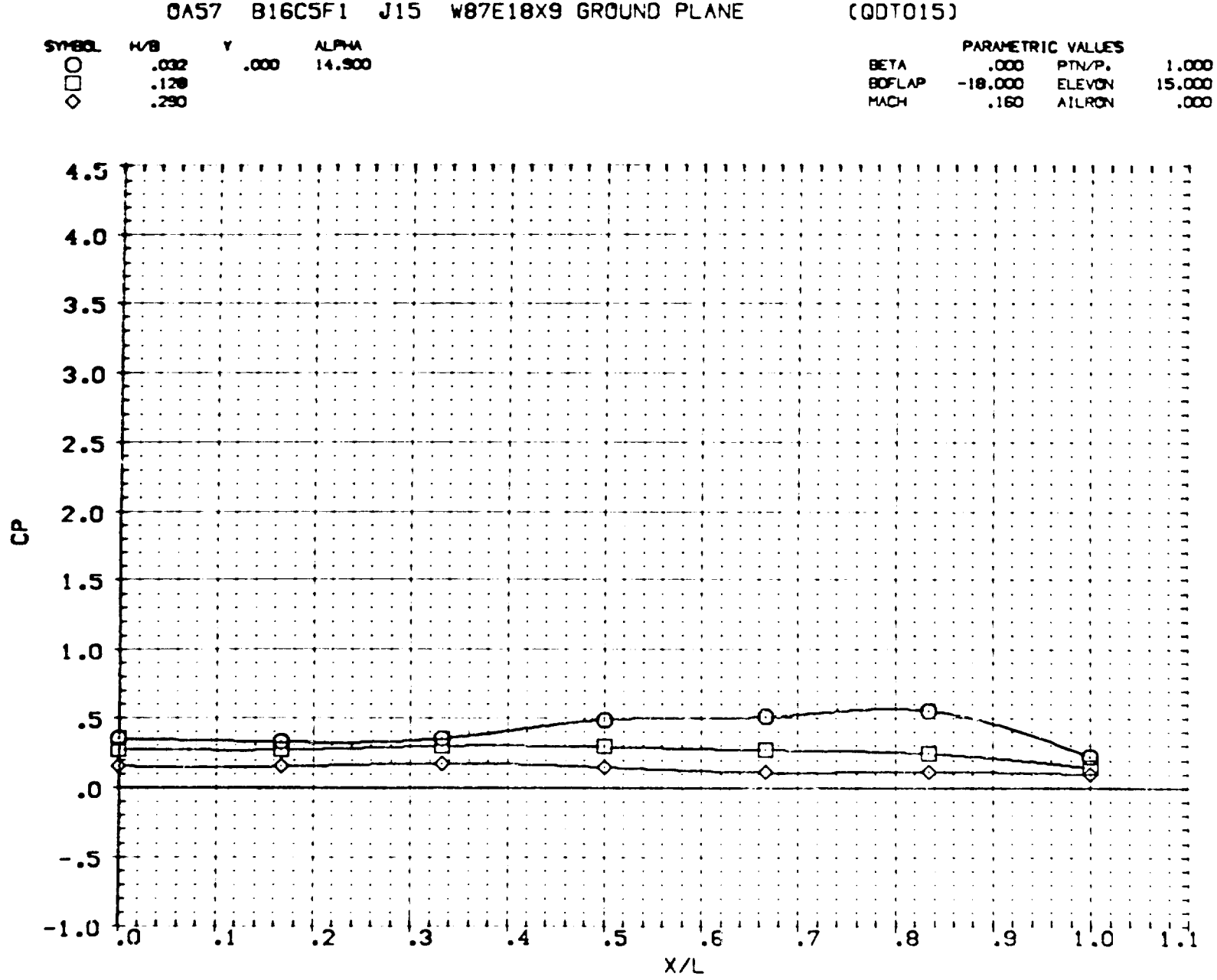


FIG 78 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 15

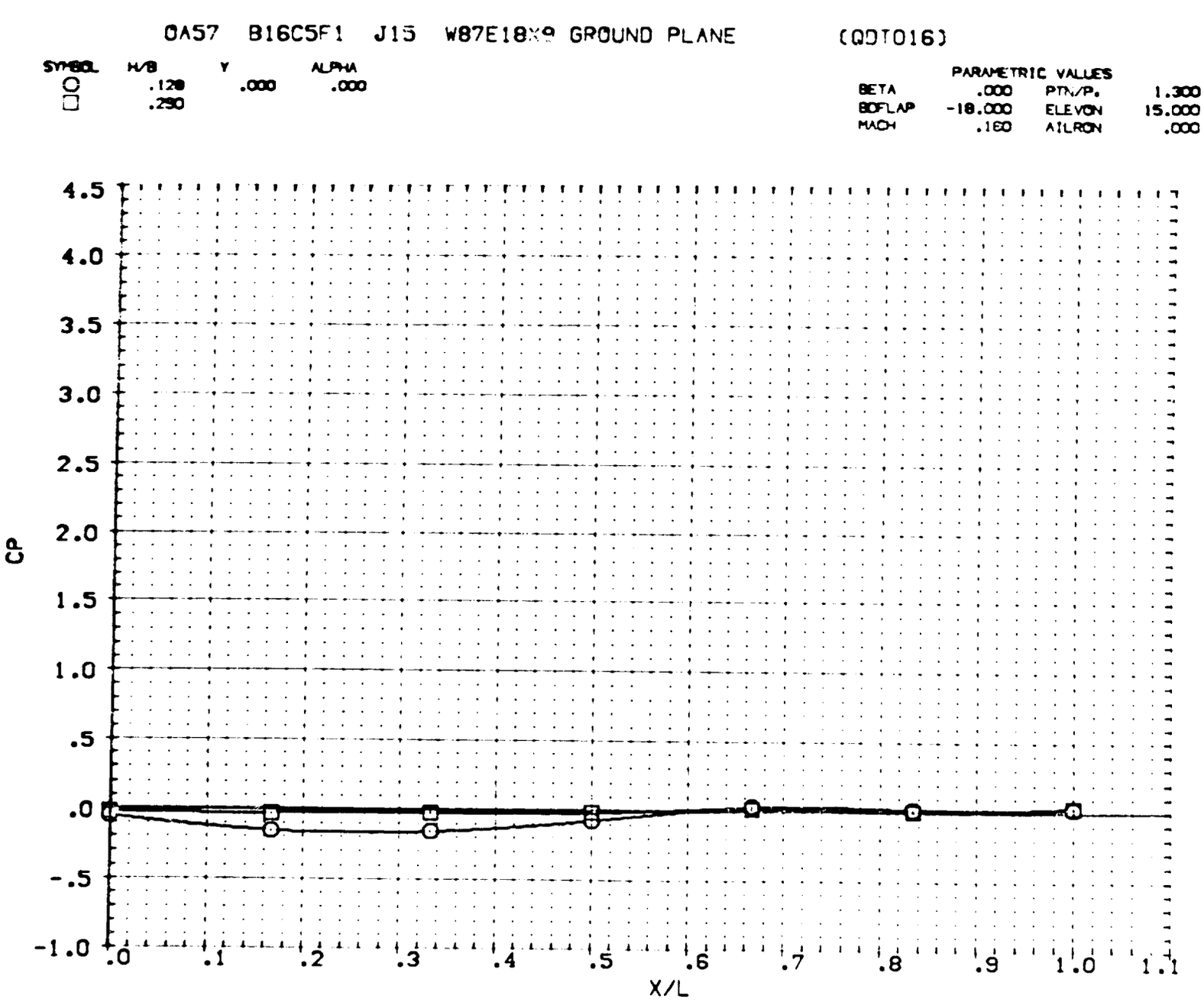


FIG 79 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 15

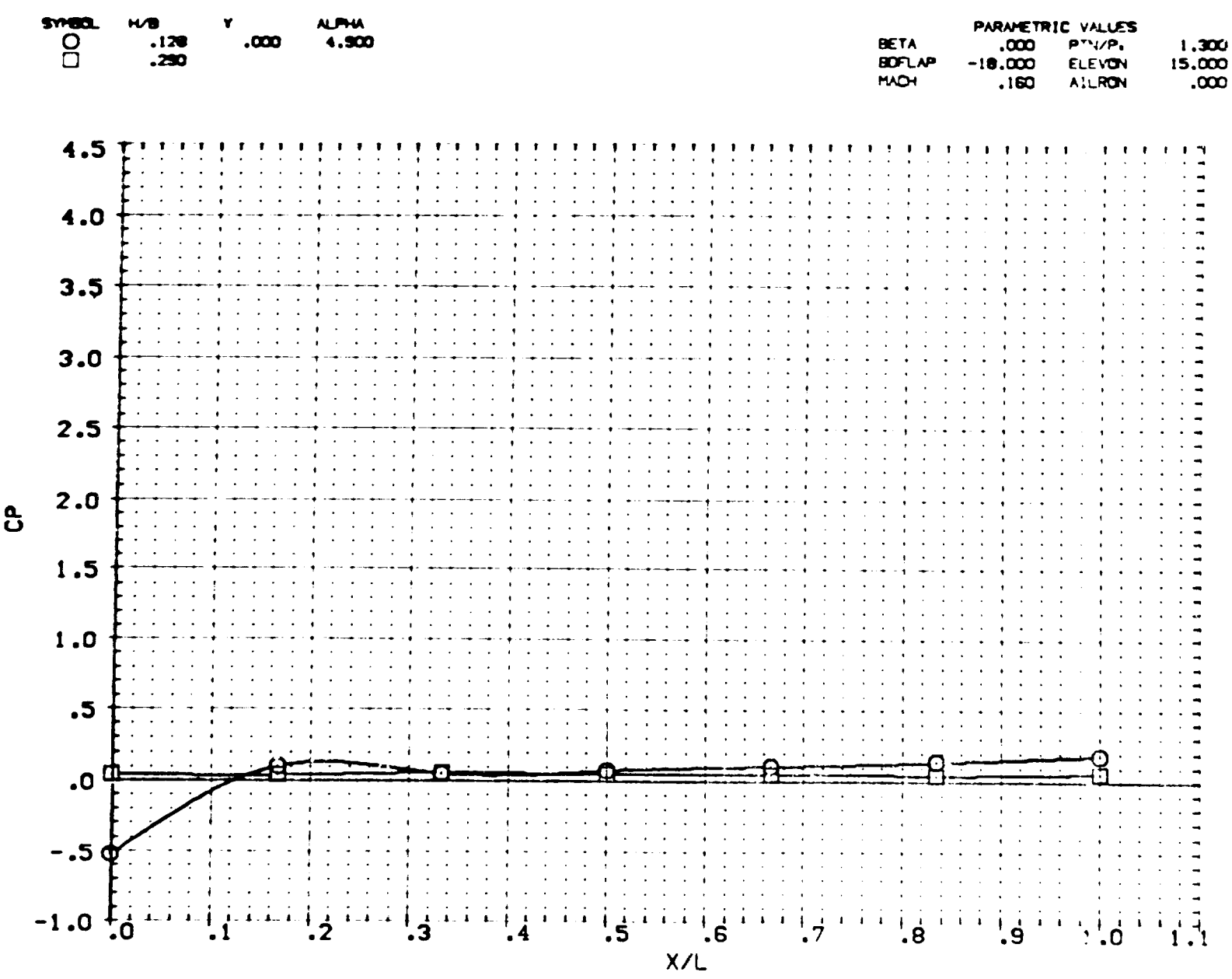


FIG 79 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 15

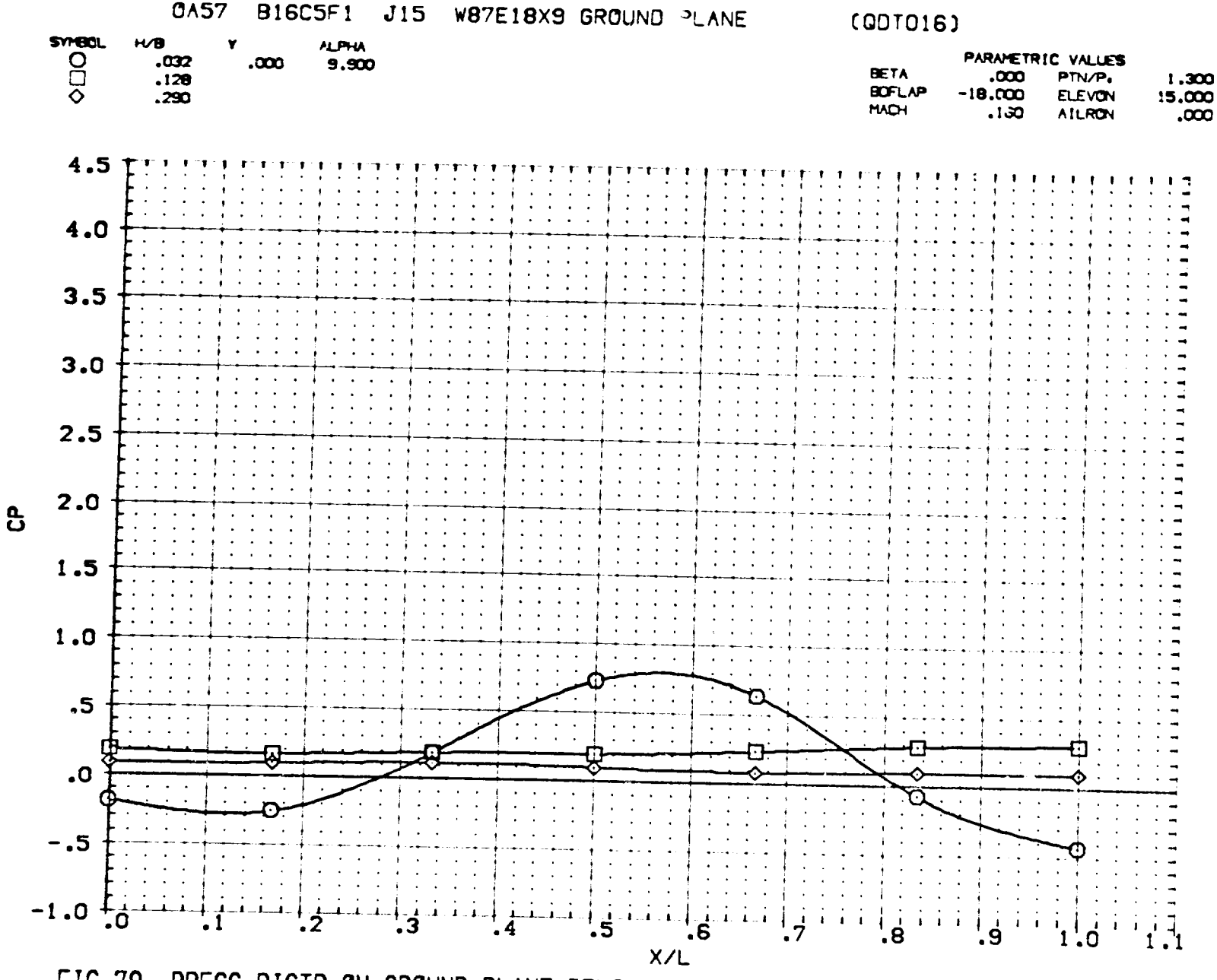


FIG 79 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 15

SYMBOL	H/B	Y	ALPHA
○	.032	.000	14.900
□	.128		
◇	.290		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.300
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

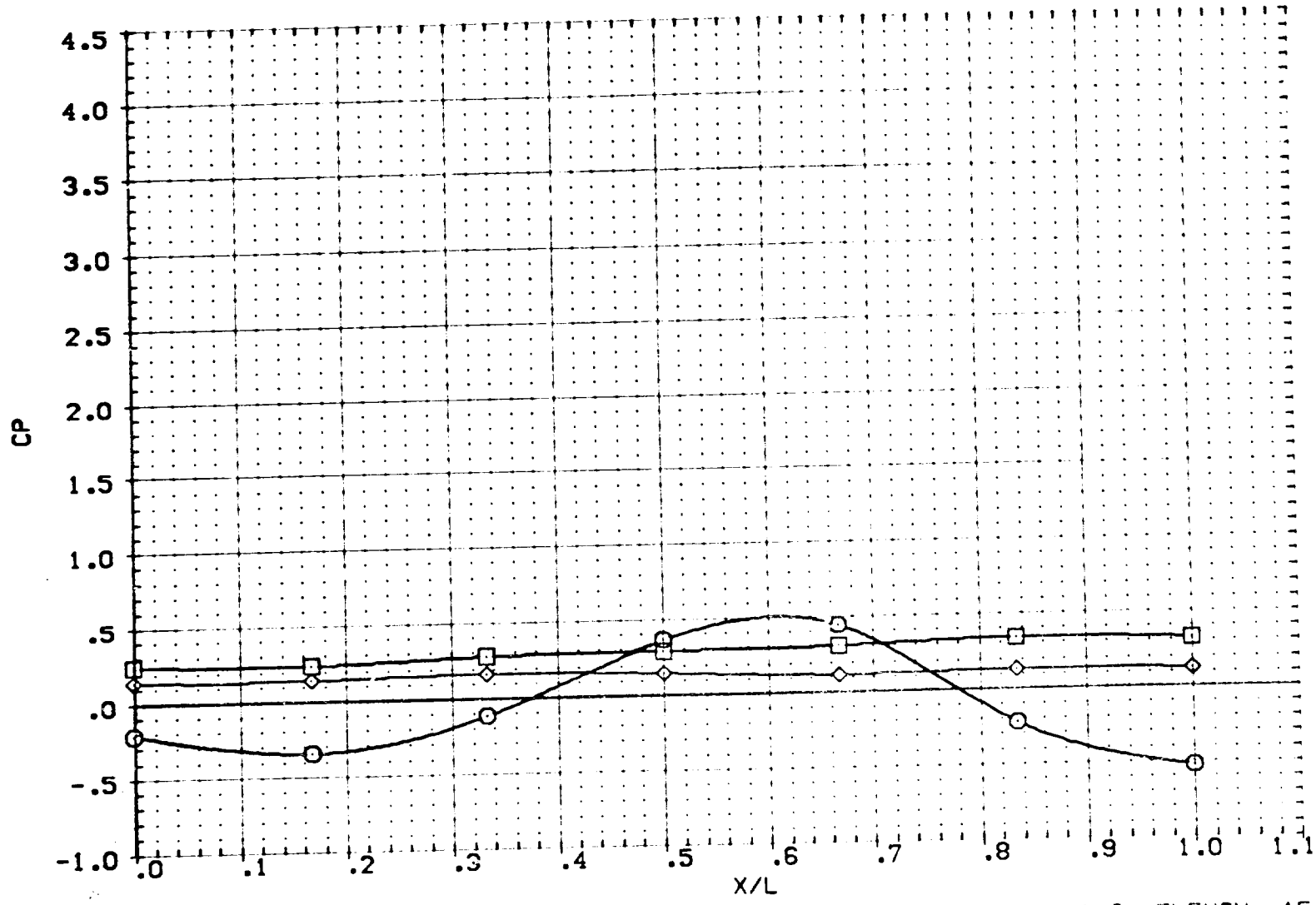


FIG 79 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 15

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT017)

SYMBOL	H/B	Y	ALPHA
○	.120	.000	.000
□	.289		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BOFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

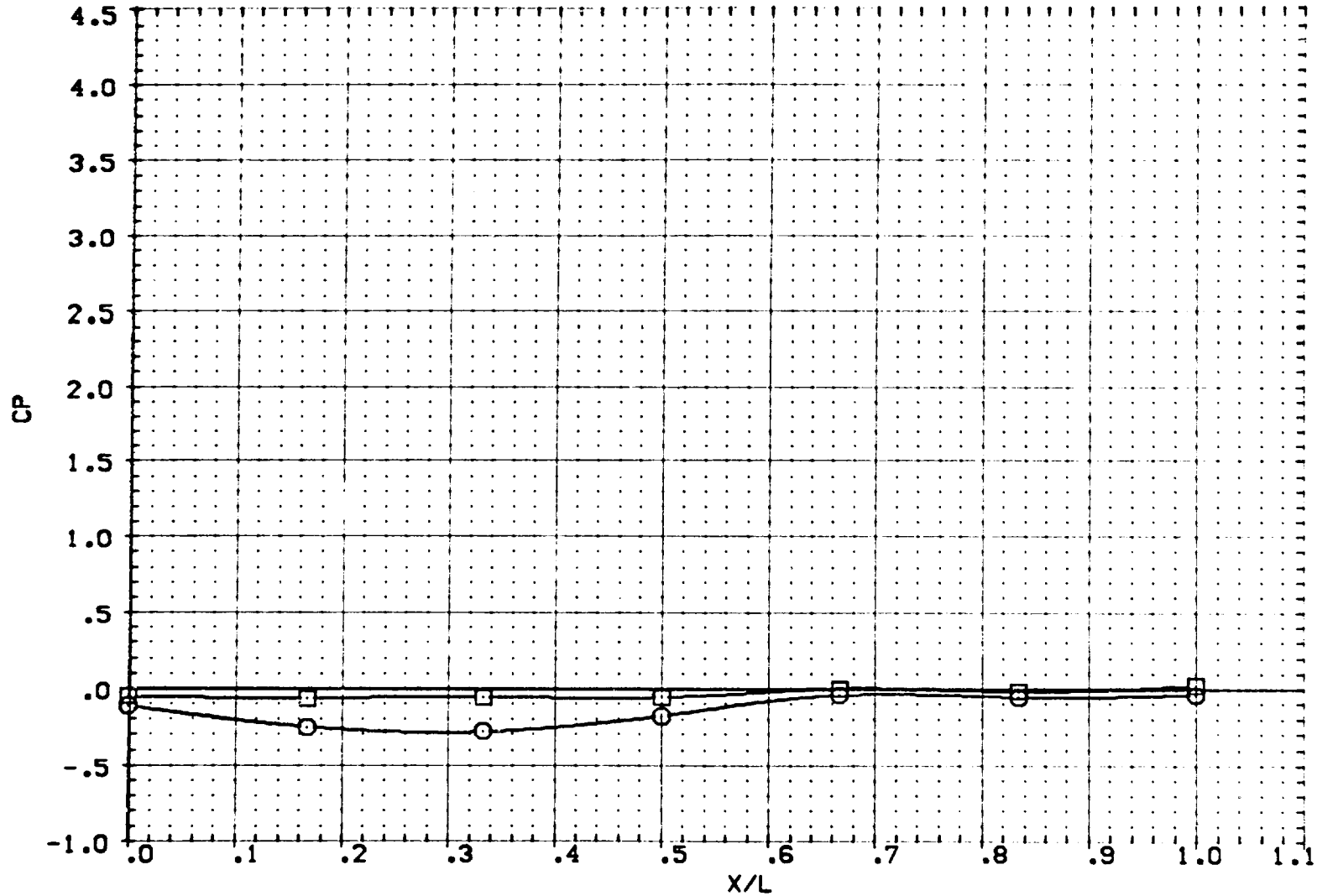


FIG 80 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 15

SYMBOL	H/B	Y	ALPHA
○	.128	.000	4.900
□	.285		

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BOFLAP	-10.000	ELEVON	15.000
MACH	.160	AILRON	.000

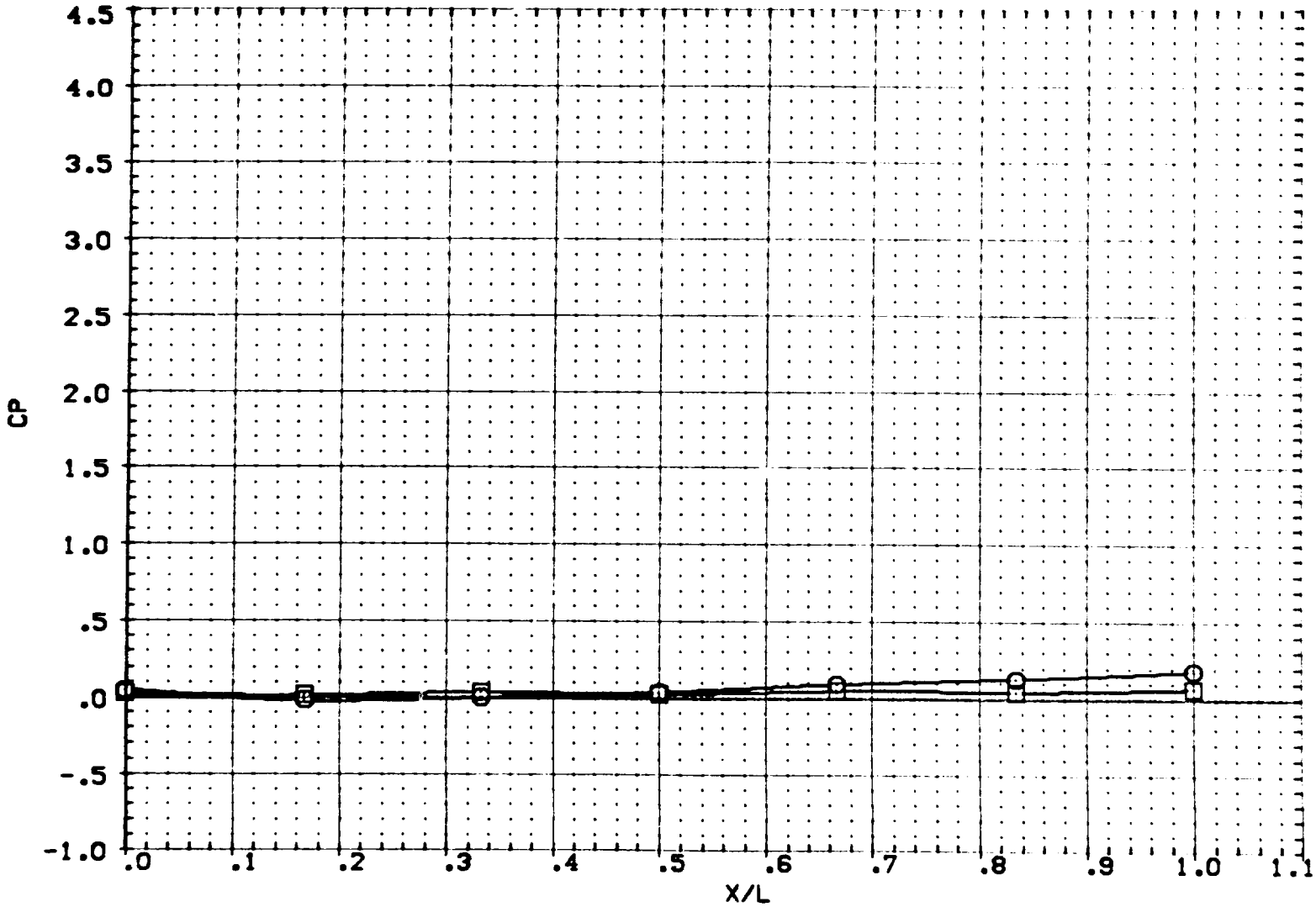


FIG 80 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 15

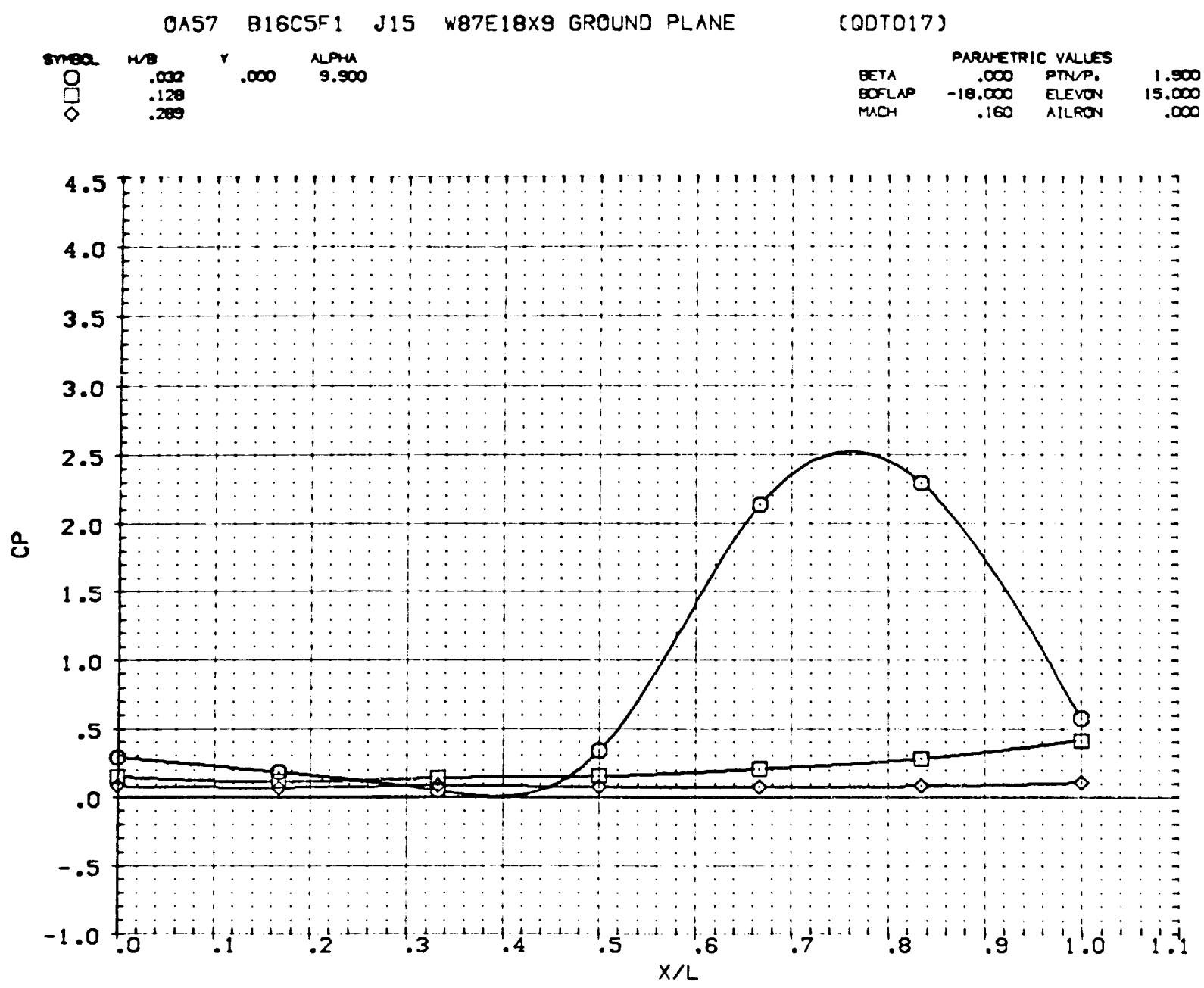


FIG 80 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 15

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDTO17)

SYMBOL	H/B	Y	ALPHA
○	.032	.000	14.900
□	.128		
◇	.289		

PARAMETRIC VALUES

BETA	.000	PTN/P∞	1.900
BDFLAP	-18.000	ELEVON	15.000
MACH	.160	AILRON	.000

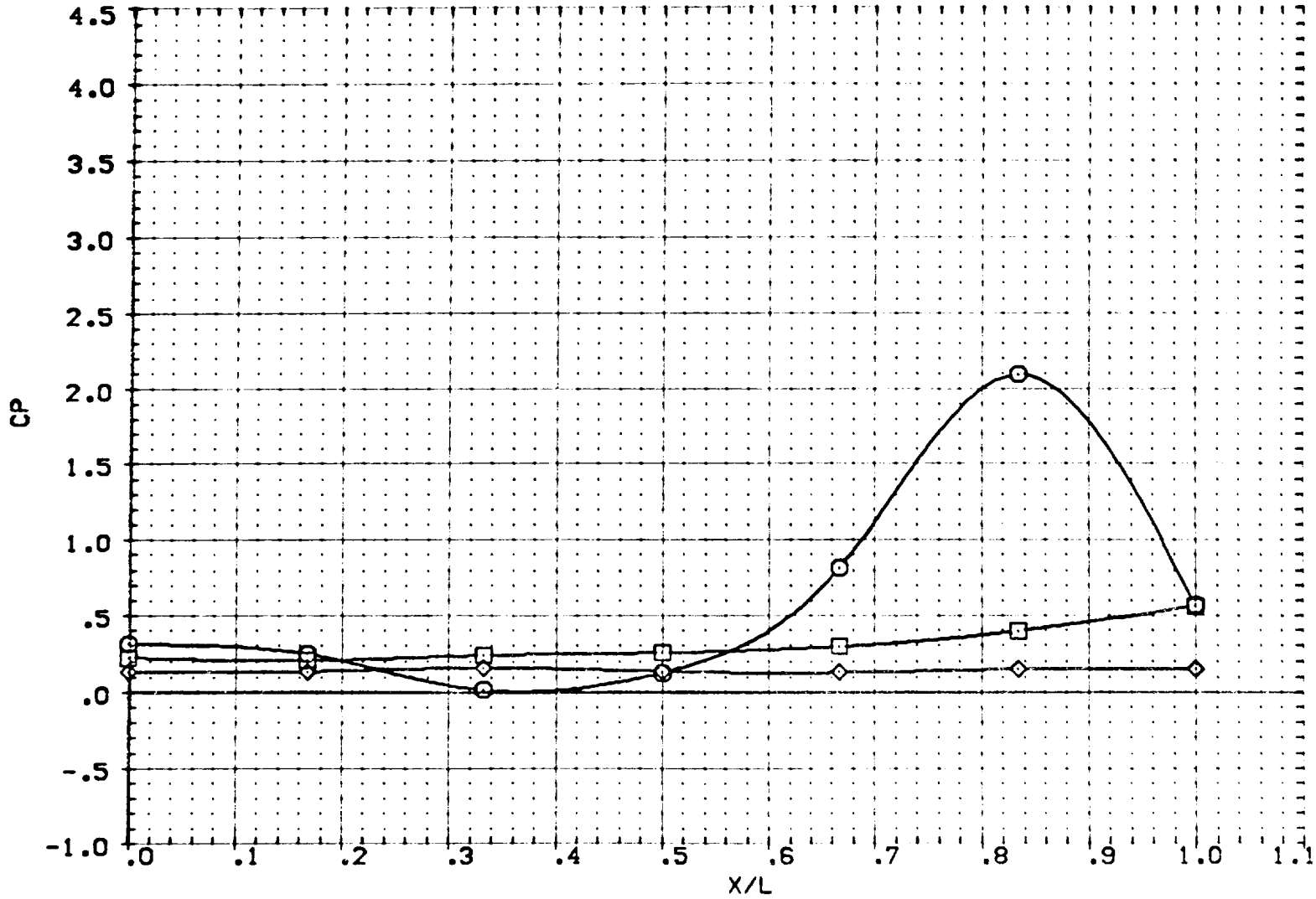


FIG 80 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 15

0A57 B16C5F1 J15 W87F18X9 GROUND PLANE (QDTO18)

SYMBOL	H/B	Y	ALPHA
○	.290	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P,	1.000
BOFLAP	-18.000	ELEVON	5.000
MACH	.160	AILRON	.000

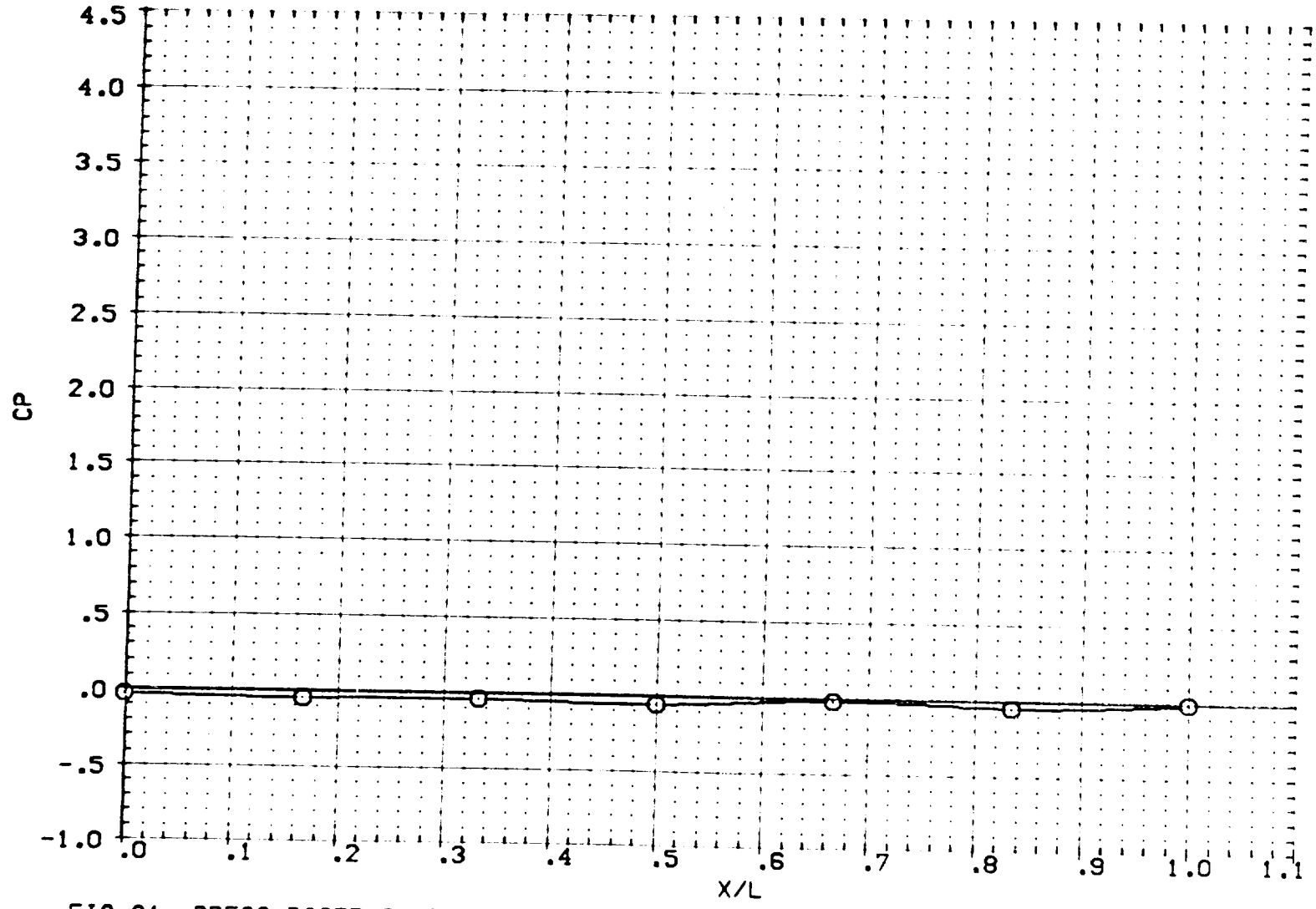


FIG 81 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 5

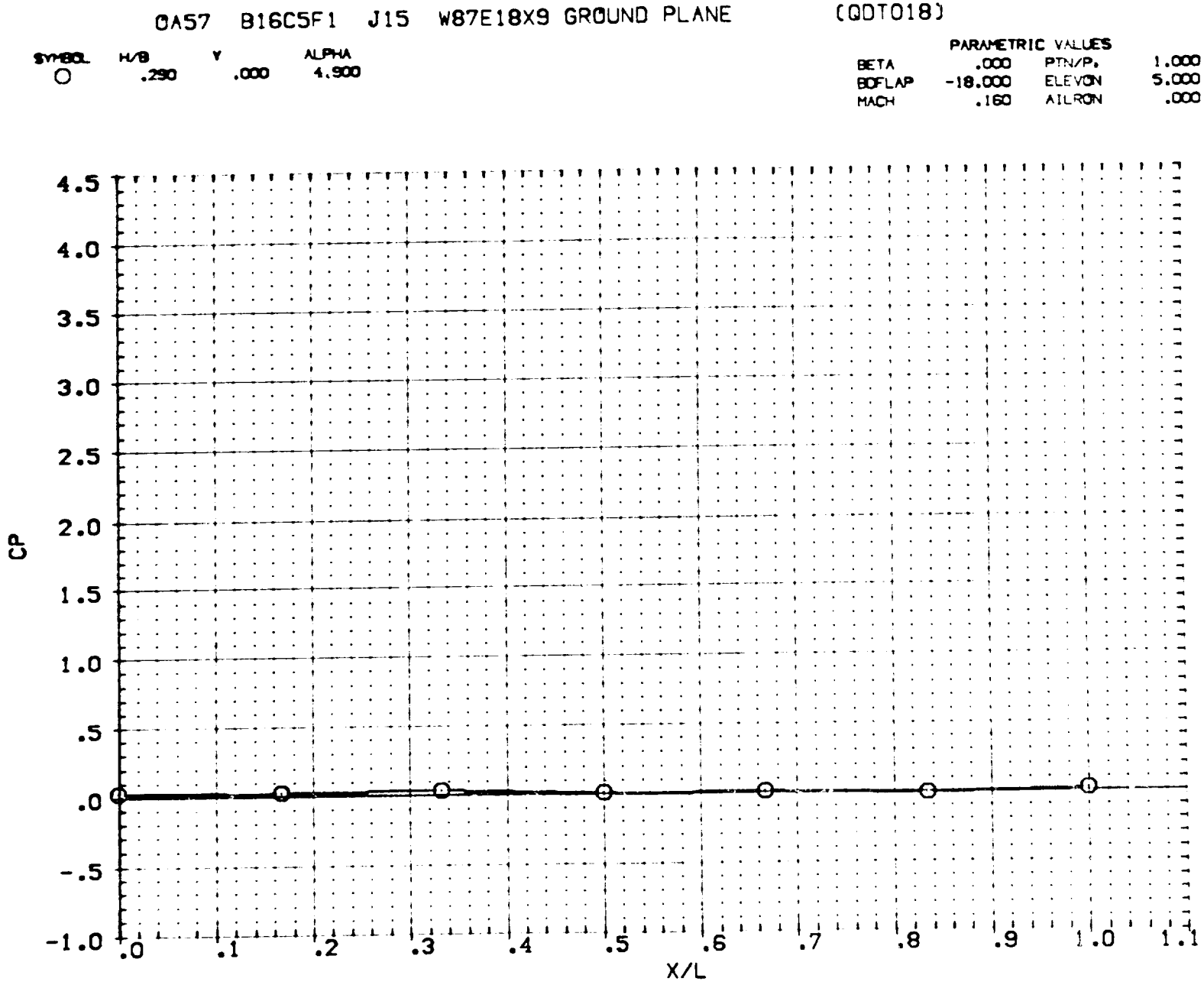


FIG 81 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 5

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT018)

SYMBOL	H/B	Y	ALPHA
○	.290	.000	9.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.000
BDFLAP	-18.000	ELEVON	5.000
MACH	.160	AILRON	.000

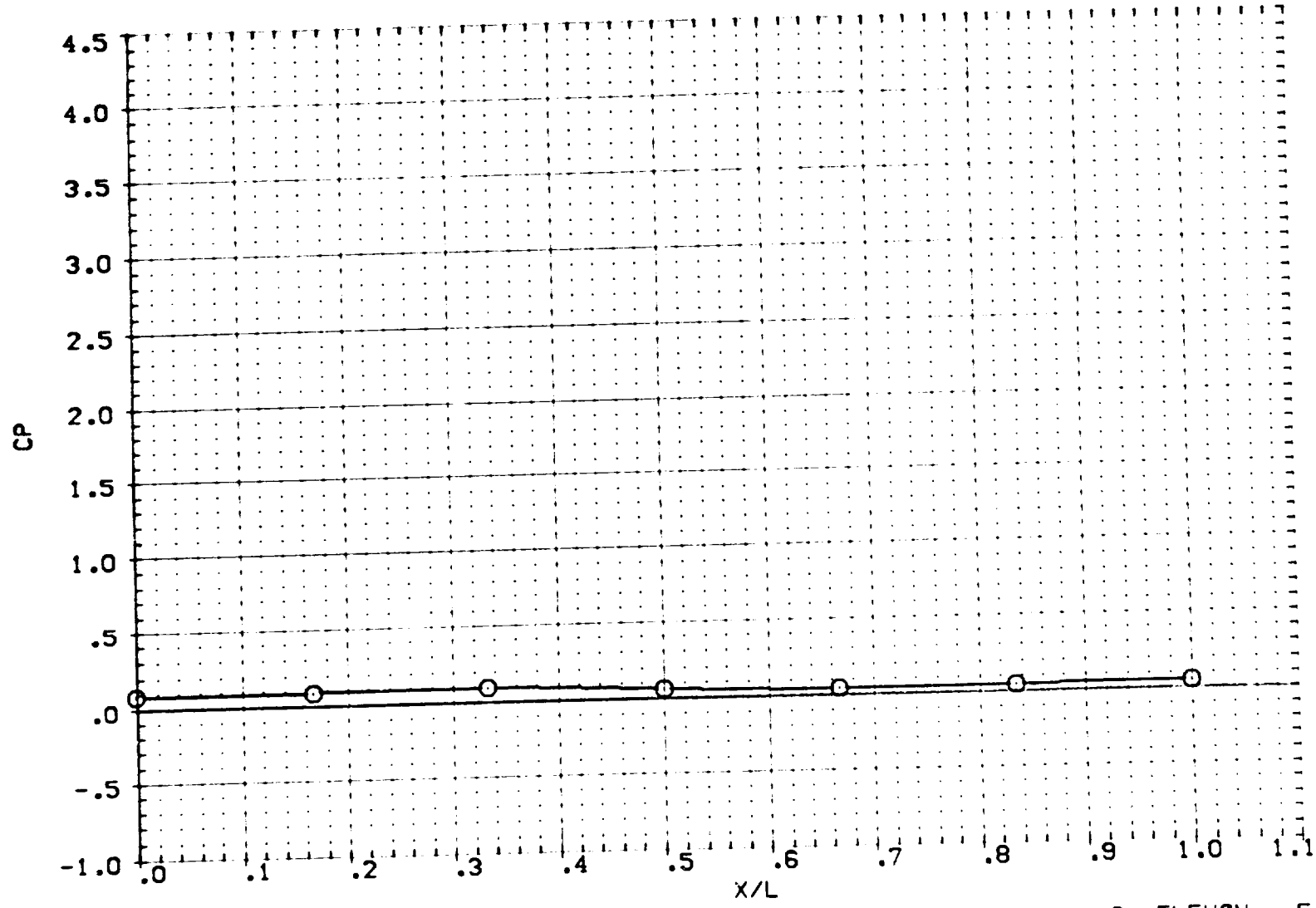


FIG 81 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 5

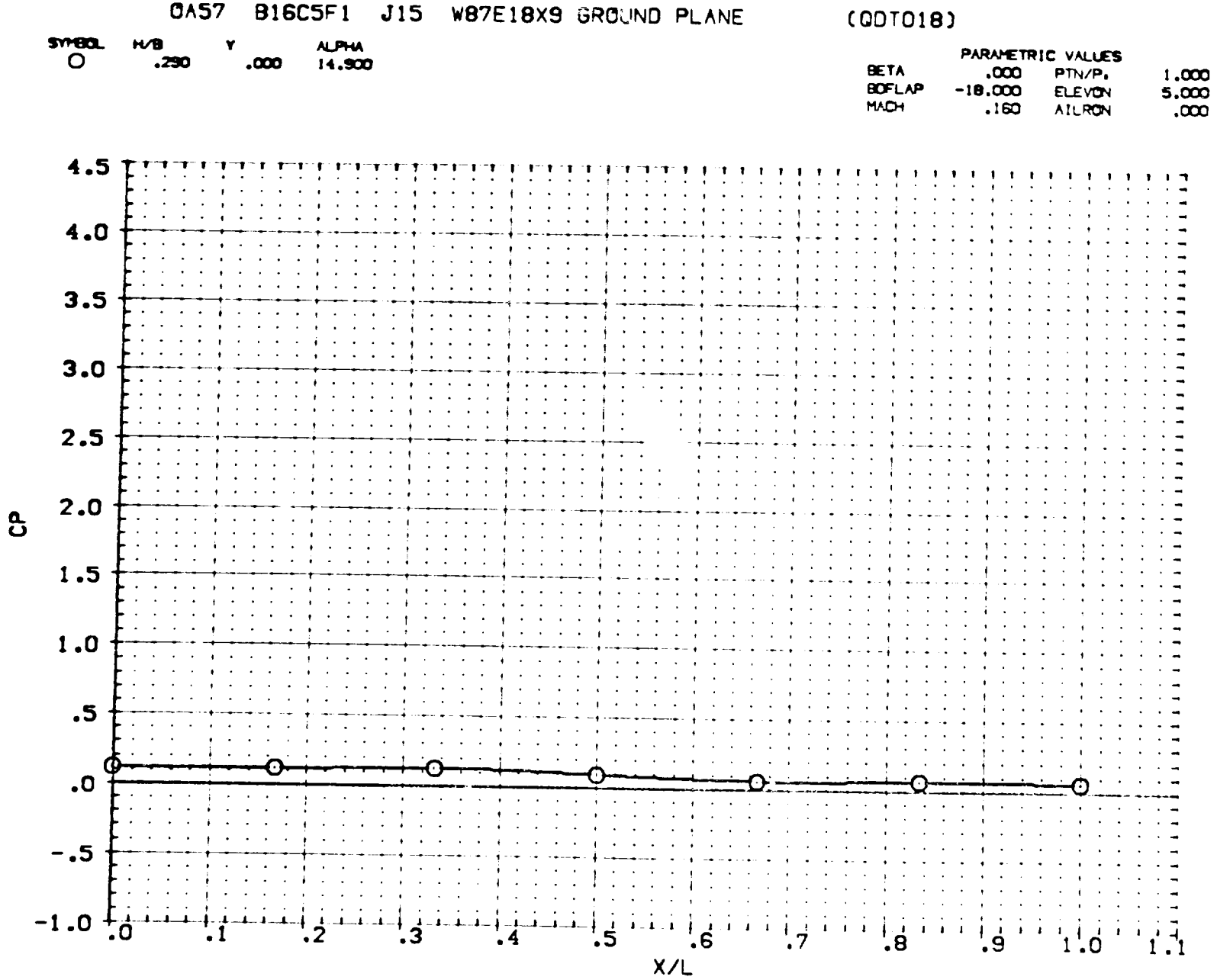


FIG 81 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.0, ELEVON= 5

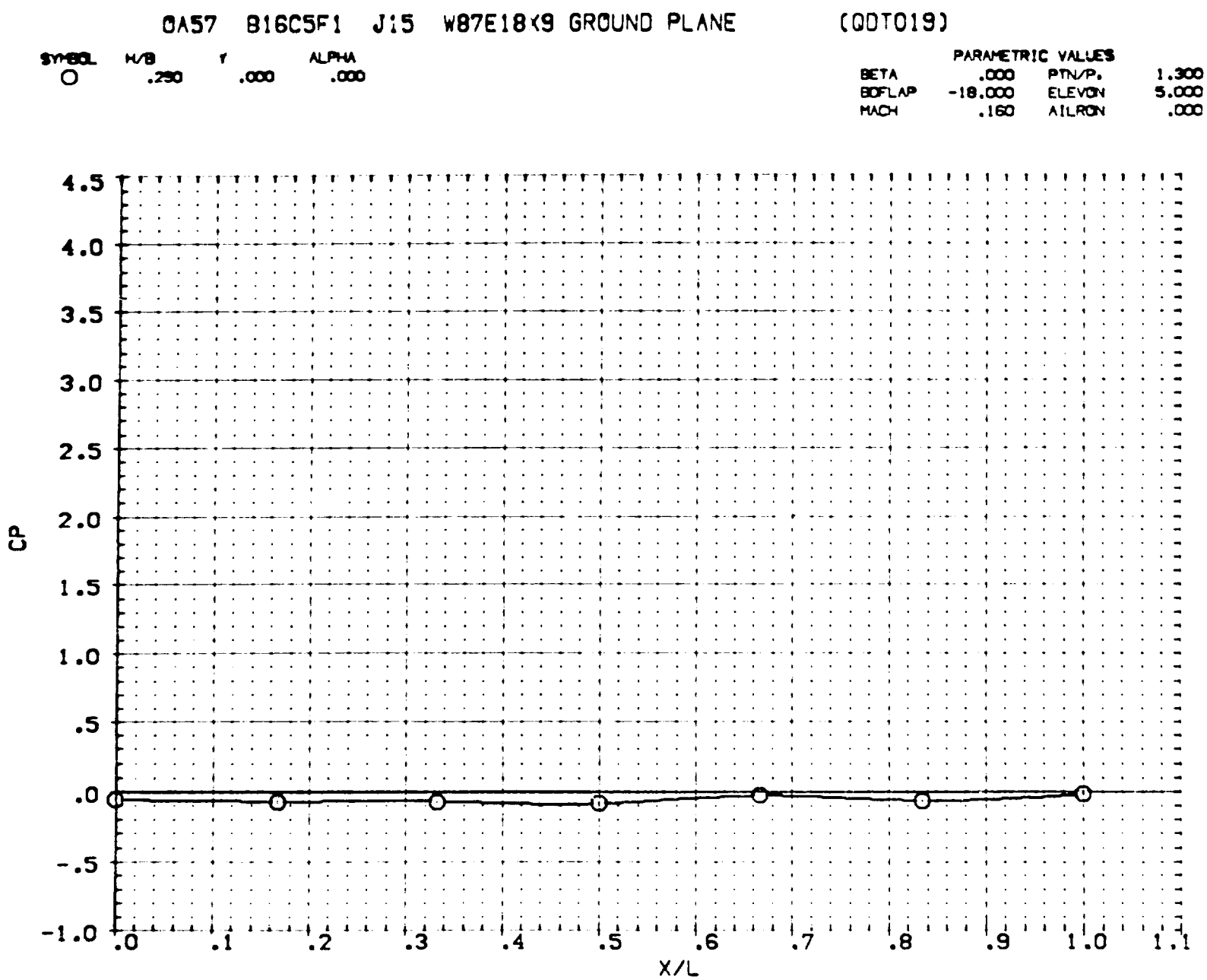


FIG 82 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 5

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT019)

SYMBOL	H/B	Y	ALPHA
○	.290	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.300
BOFLAP	-18.000	ELEVON	5.000
MACH	.160	AILRON	.000

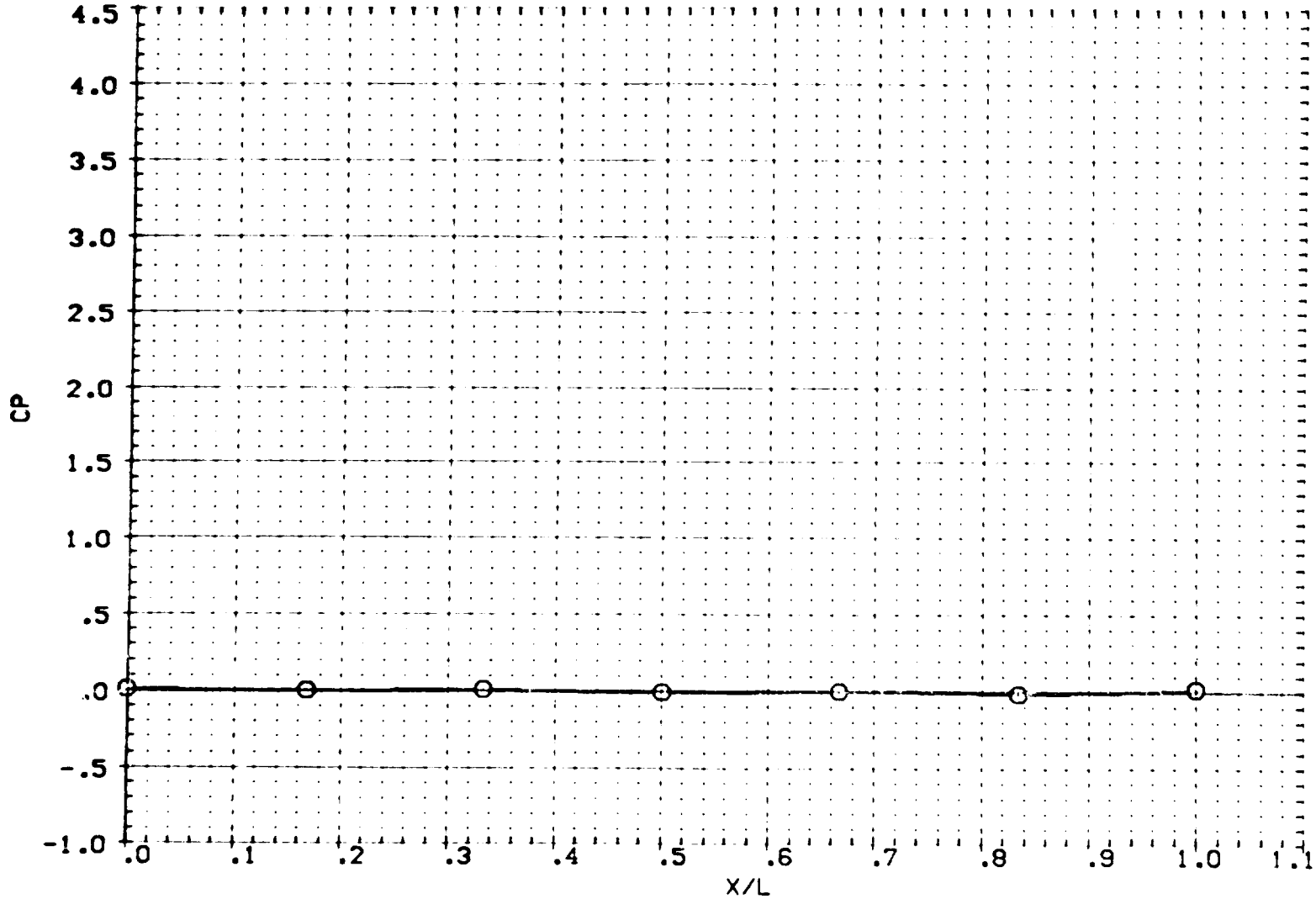


FIG 82 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 5

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT019)

SYMBOL	H/B	Y	ALPHA
O	.250	.000	9.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.300
BOFLAP	-10.000	ELEVON	5.000
MACH	.160	AILRON	.000

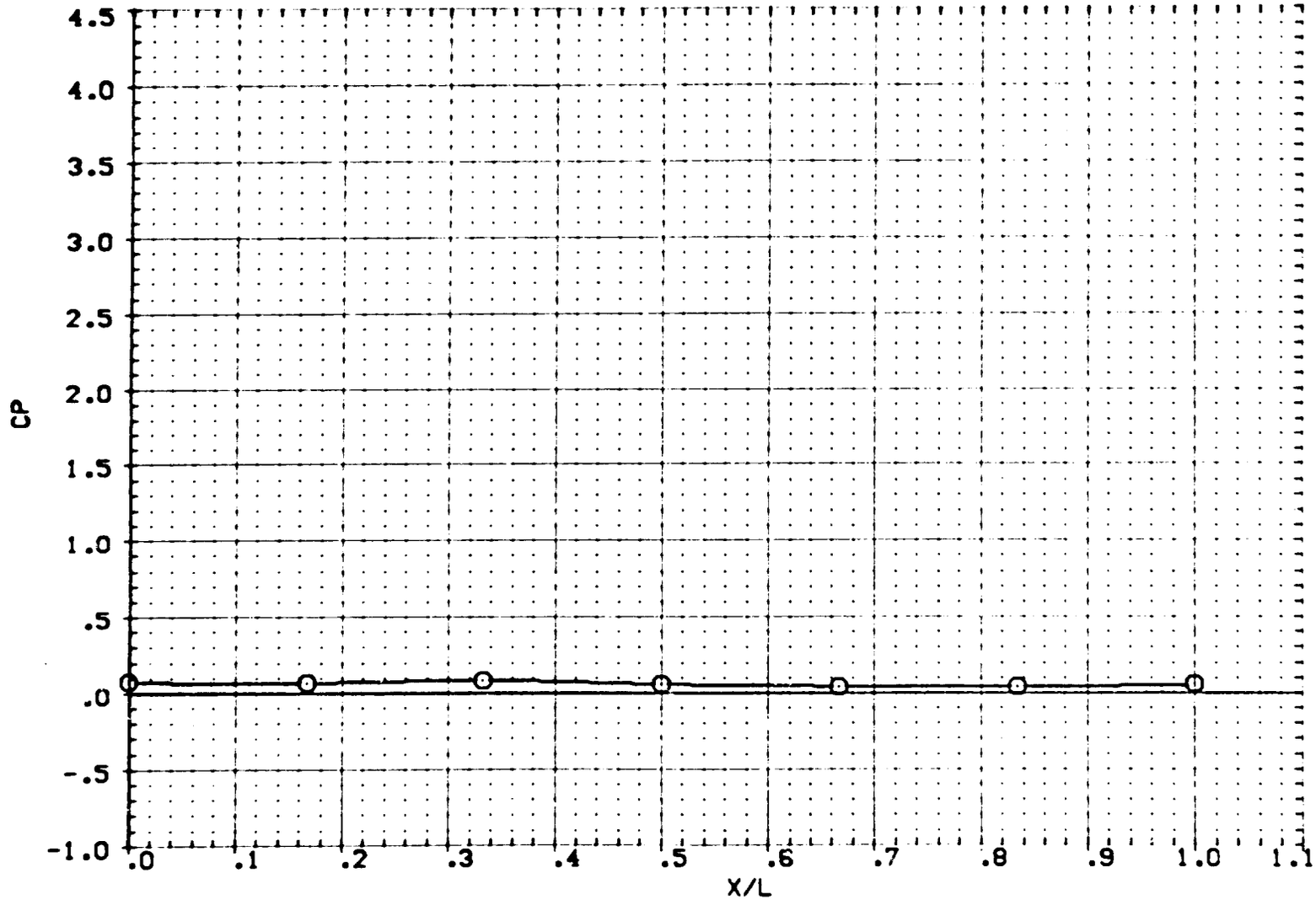


FIG 82 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 5

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT019)

SYMBOL	H/B	Y	ALPHA
O	.280	.000	14.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.300
BOFLAP	-18.000	ELEVON	5.000
MACH	.160	AILRON	.000

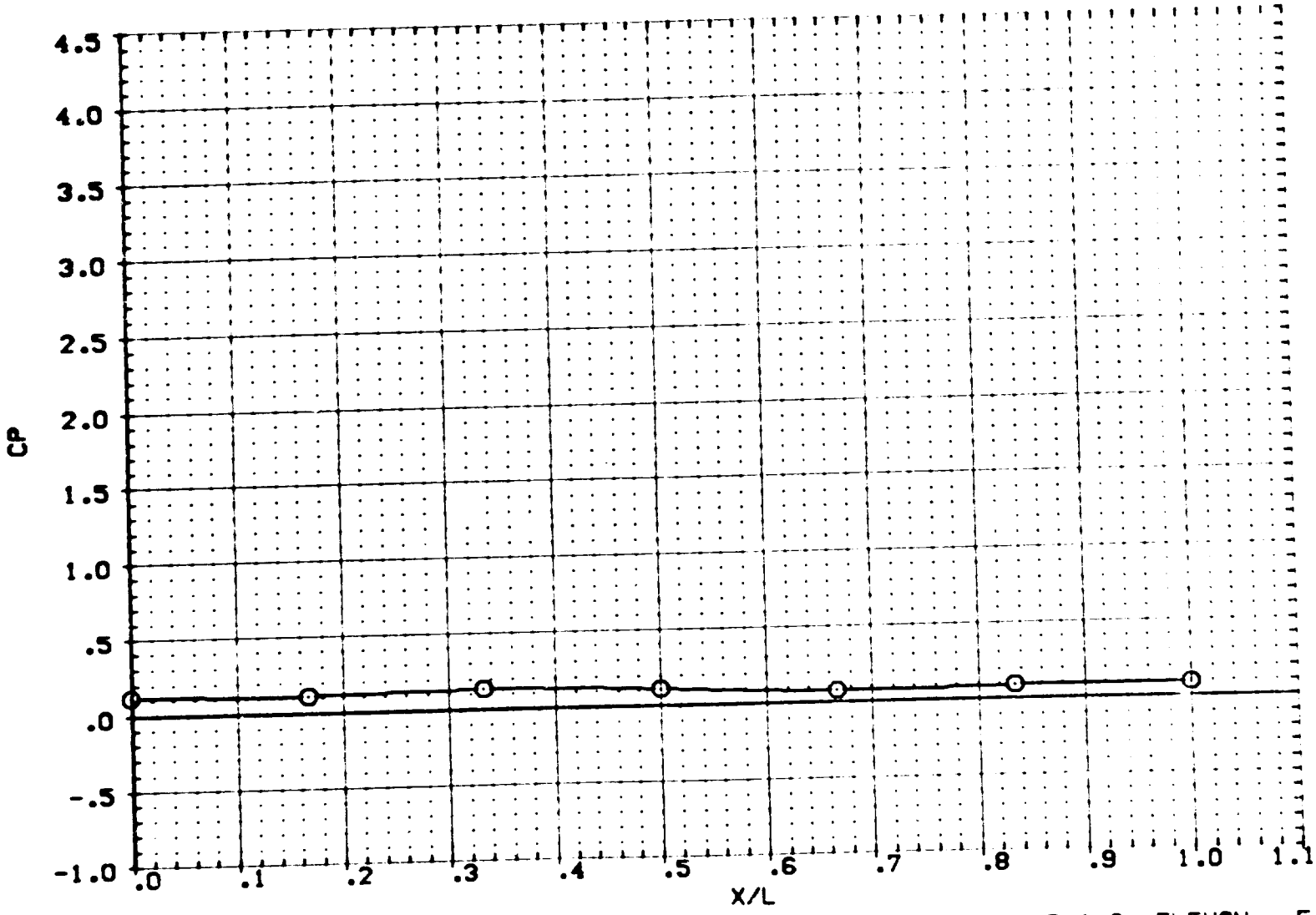


FIG 82 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.3, ELEVON= 5

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT020)

SYMBOL	H/B	Y	ALPHA
O	.290	.000	.000

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BOFLAP	-18.000	ELEVON	5.000
MACH	.160	AILRON	.000

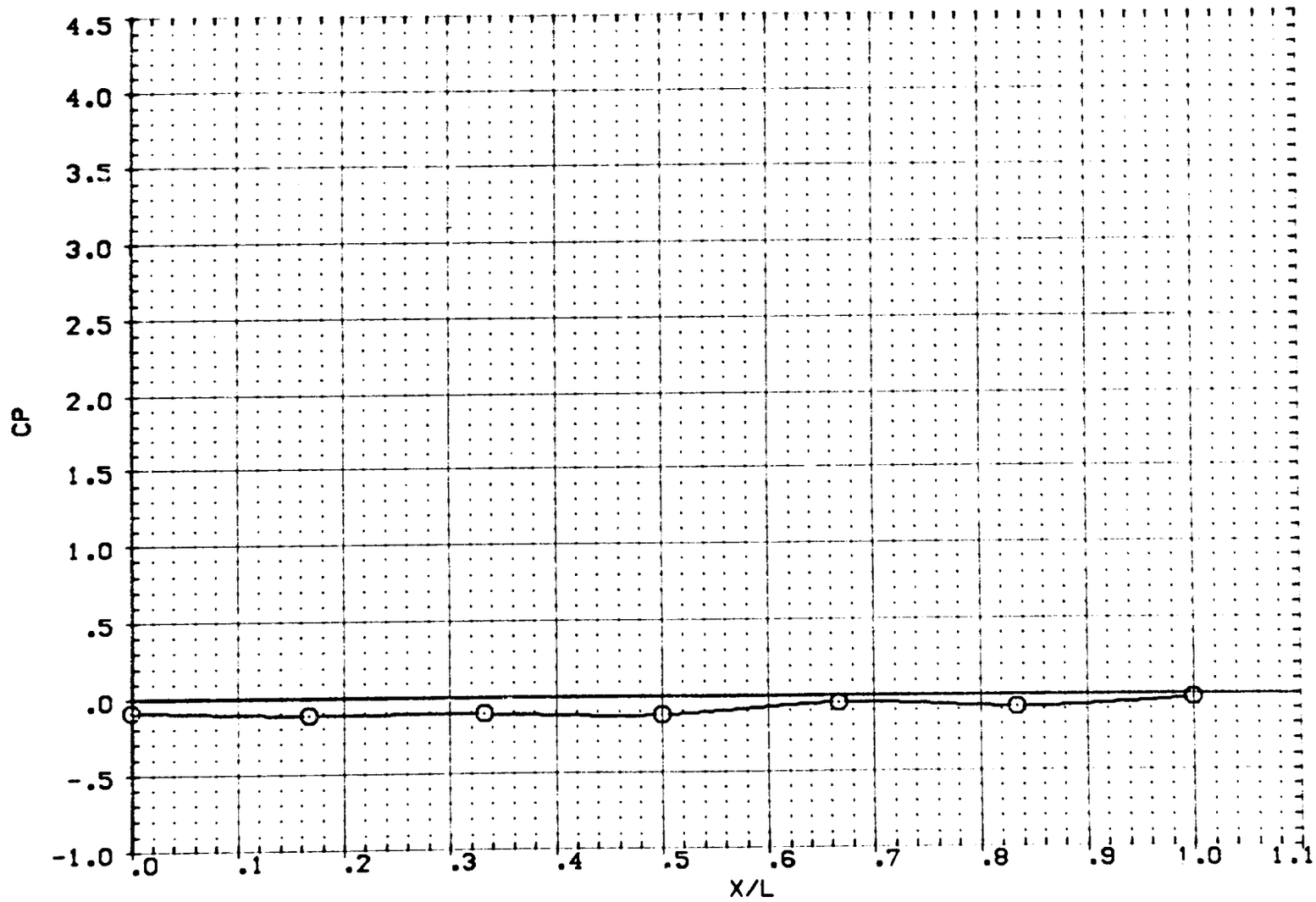


FIG 83 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 5

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT020)

SYMBOL	H/B	Y	ALPHA
O	.270	.000	4.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BOFLAP	-10.000	ELEVON	5.000
MACH	.160	AILRON	.000

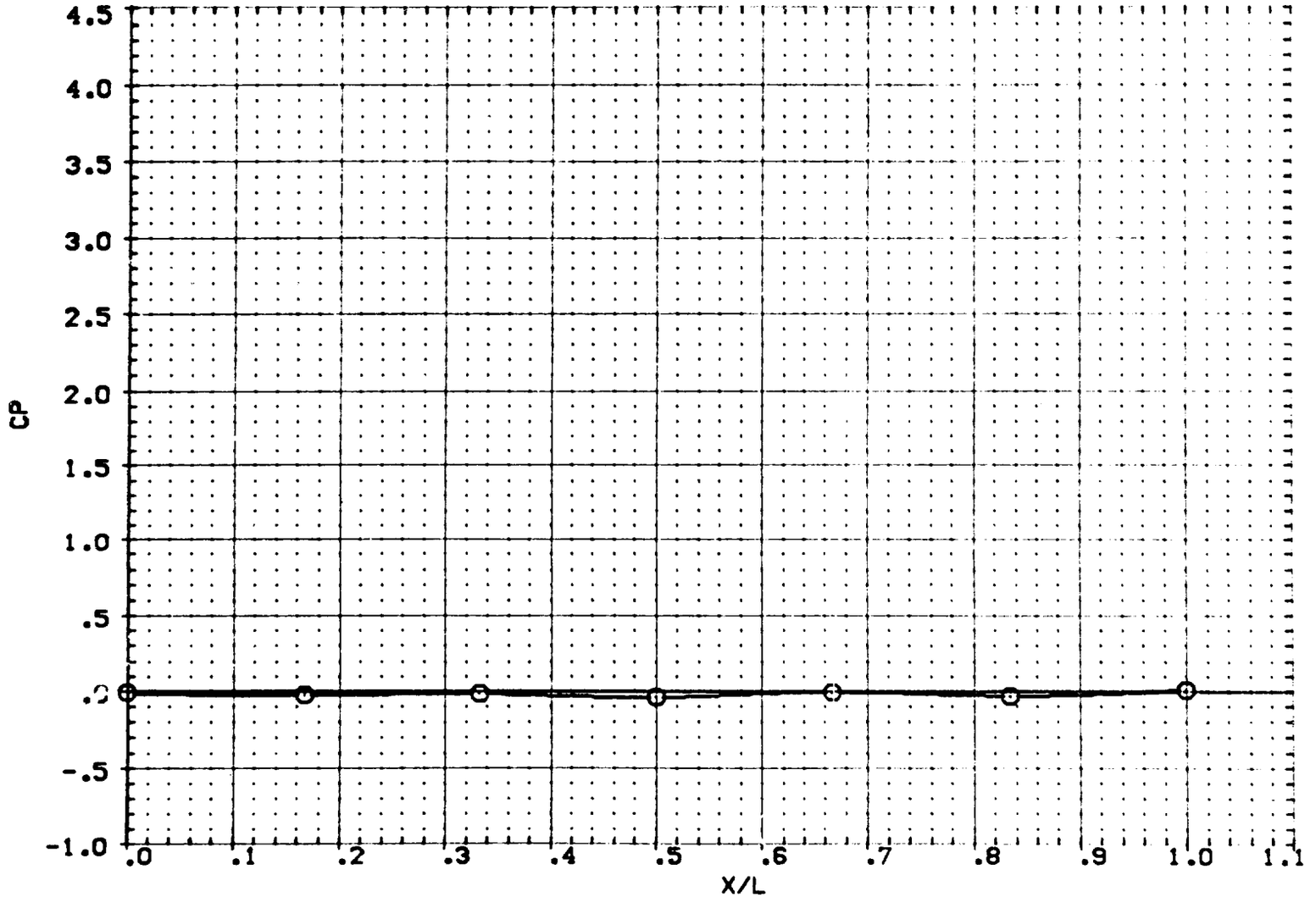


FIG 83 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 5

CA57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT020)

SYMBOL	H/B	Y	ALPHA
○	.290	.000	9.900

PARAMETRIC VALUES

BETA	.000	PTN/P$_t$	1.900
BOFLAP	-18.000	ELEVON	5.000
MACH	.160	AILRON	.000

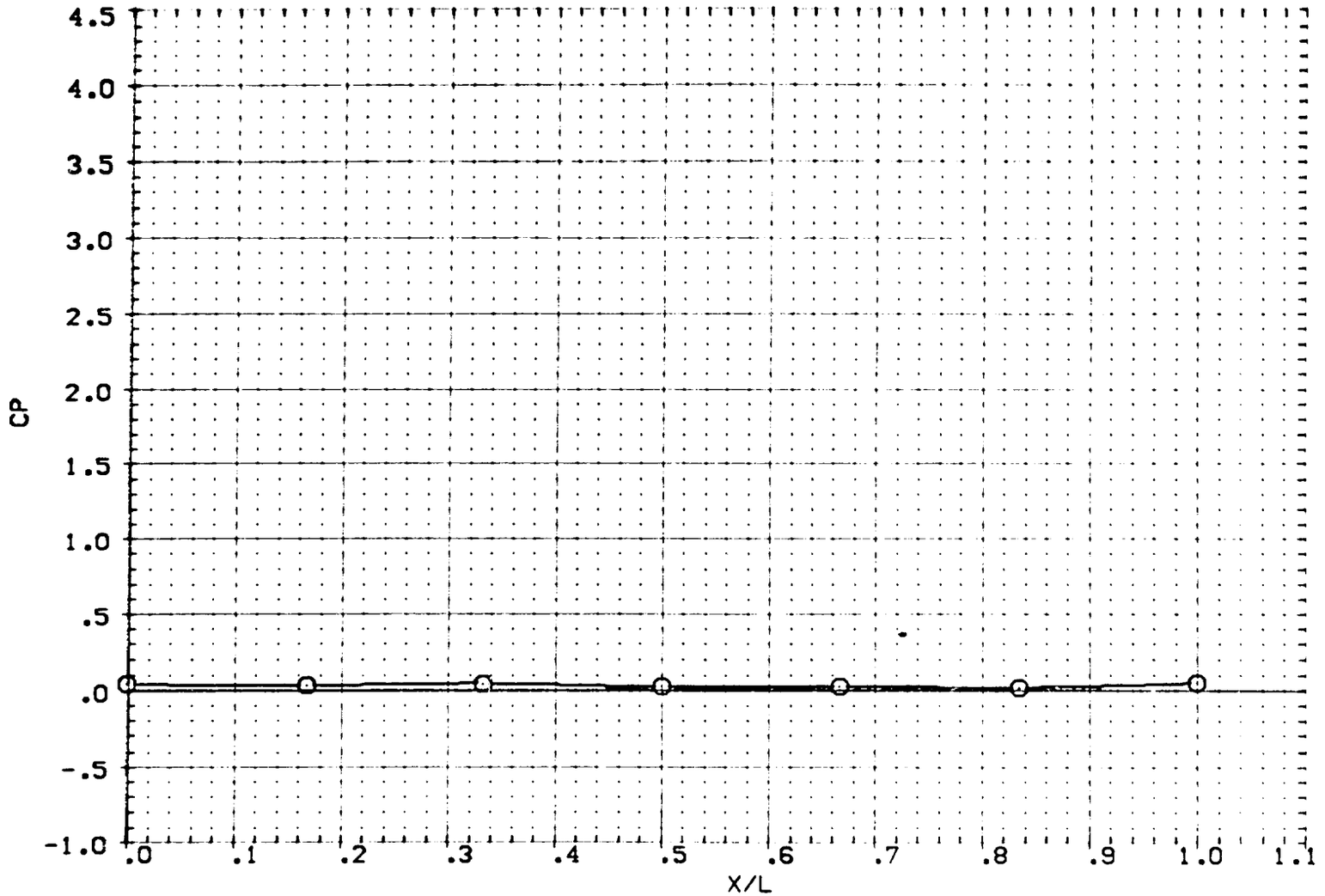


FIG 83 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 5

0A57 B16C5F1 J15 W87E18X9 GROUND PLANE (QDT020)

SYMBOL	H/B	Y	ALPHA
○	.290	.000	14.900

PARAMETRIC VALUES

BETA	.000	PTN/P.	1.900
BDFLAP	-18.000	ELEVON	5.000
MACH	.160	AILRON	.000

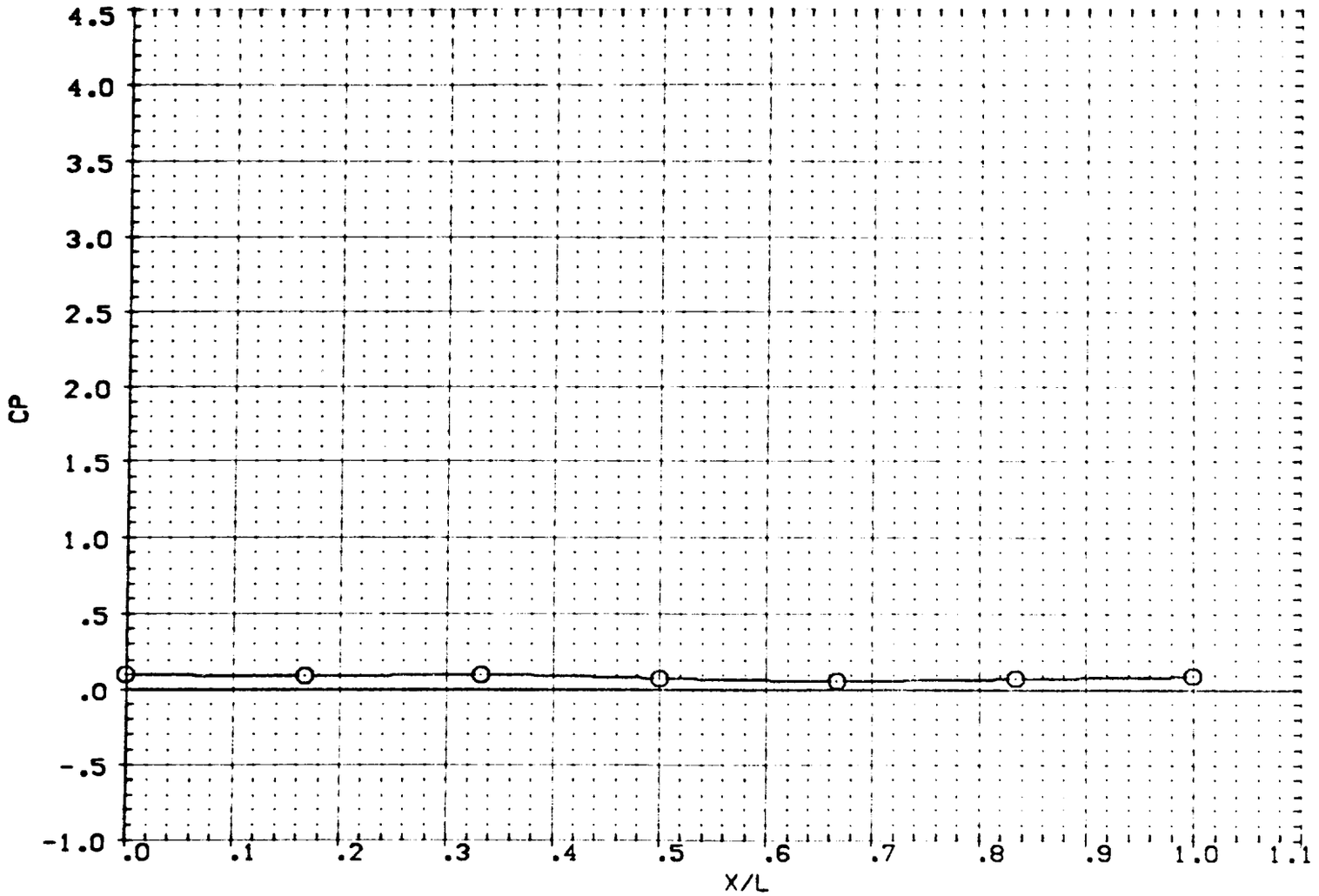


FIG 83 PRESS DISTR ON GROUND PLANE BELOW ENGINE CL J15, PTN/P=1.9, ELEVON= 5

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT001)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.046

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

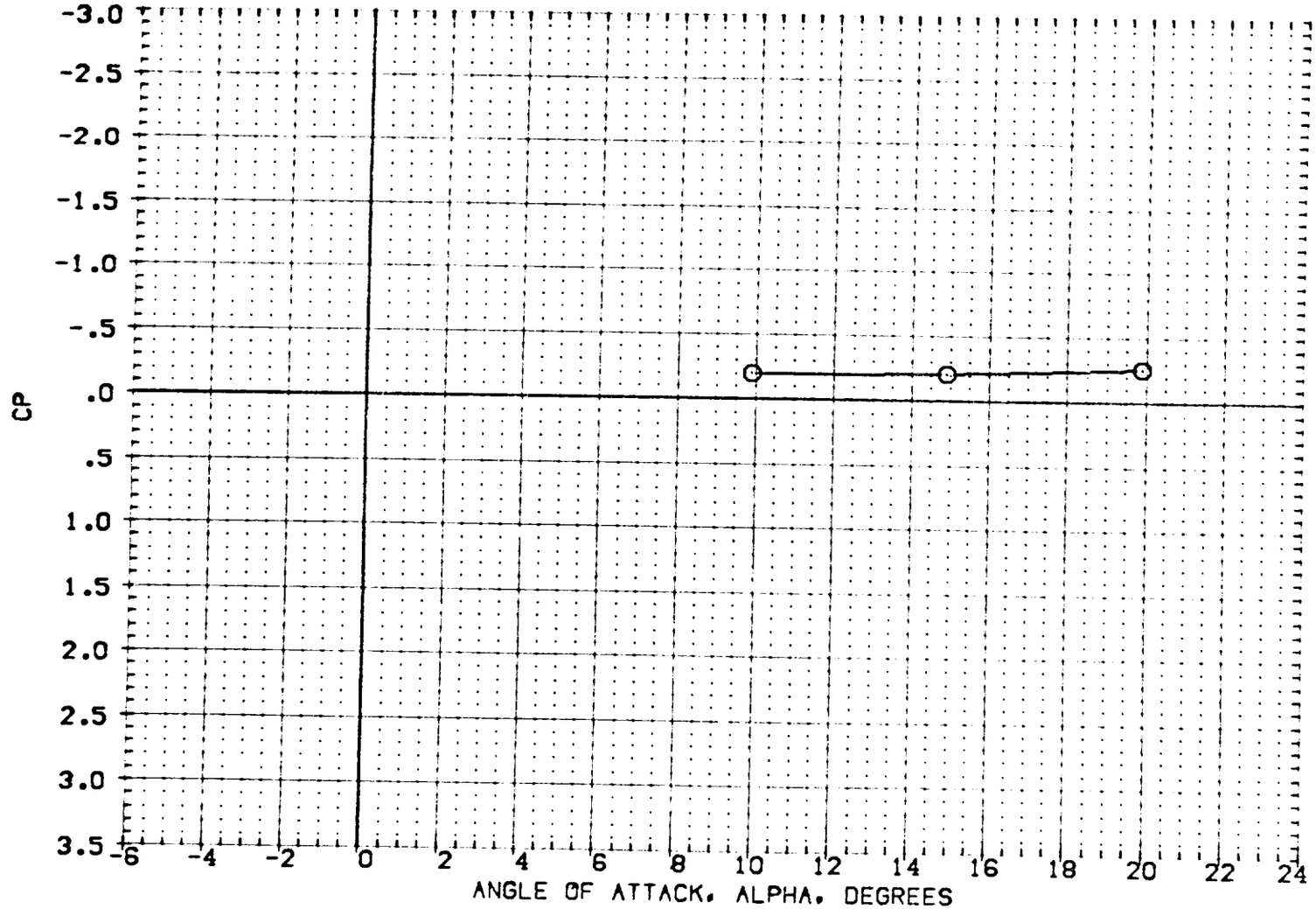


FIG 84 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT001)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.560

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

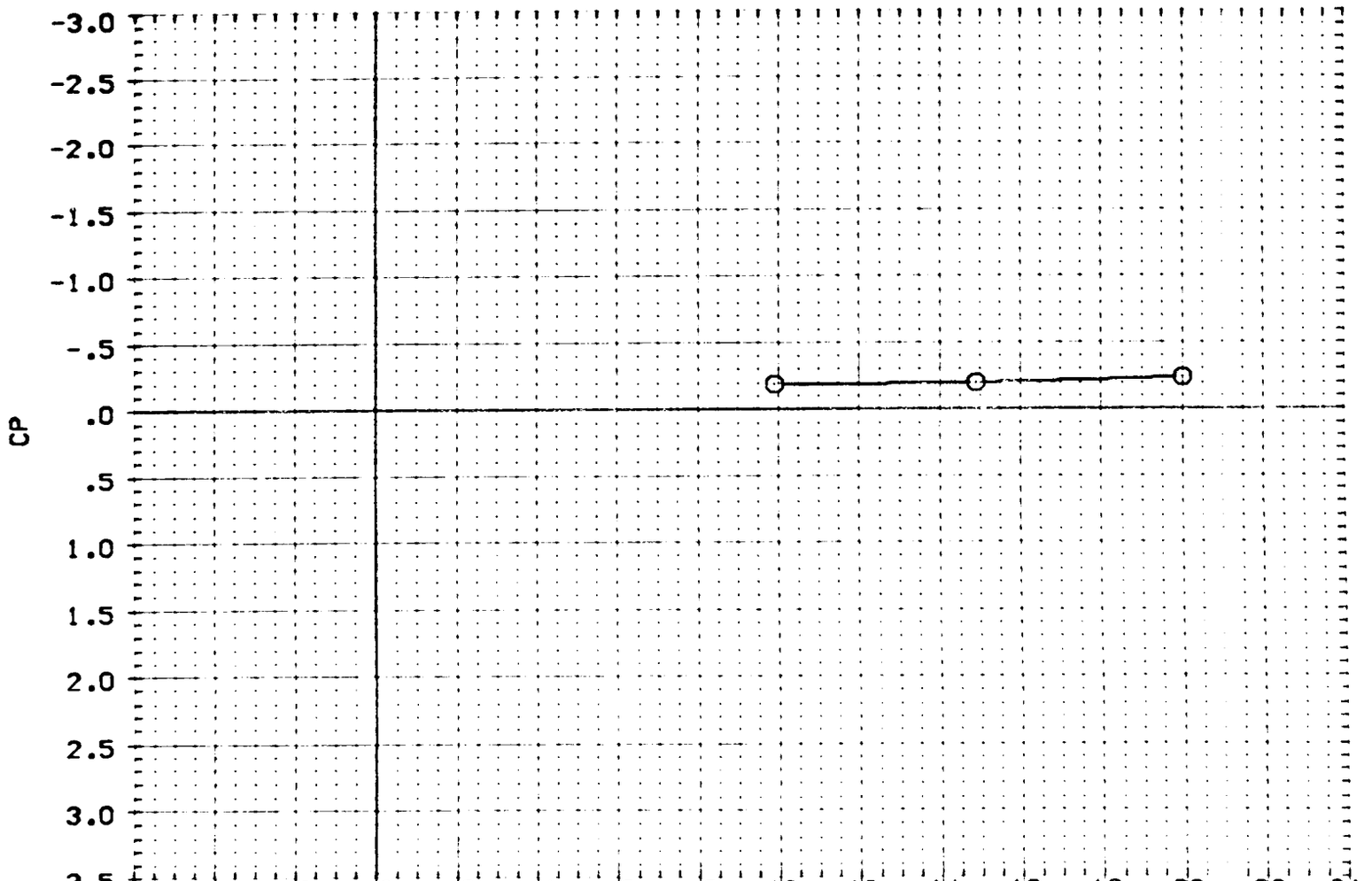


FIG 84 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT001)

SYMBOL	Z	X	PTI/P
○	.000	.000	2.124

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

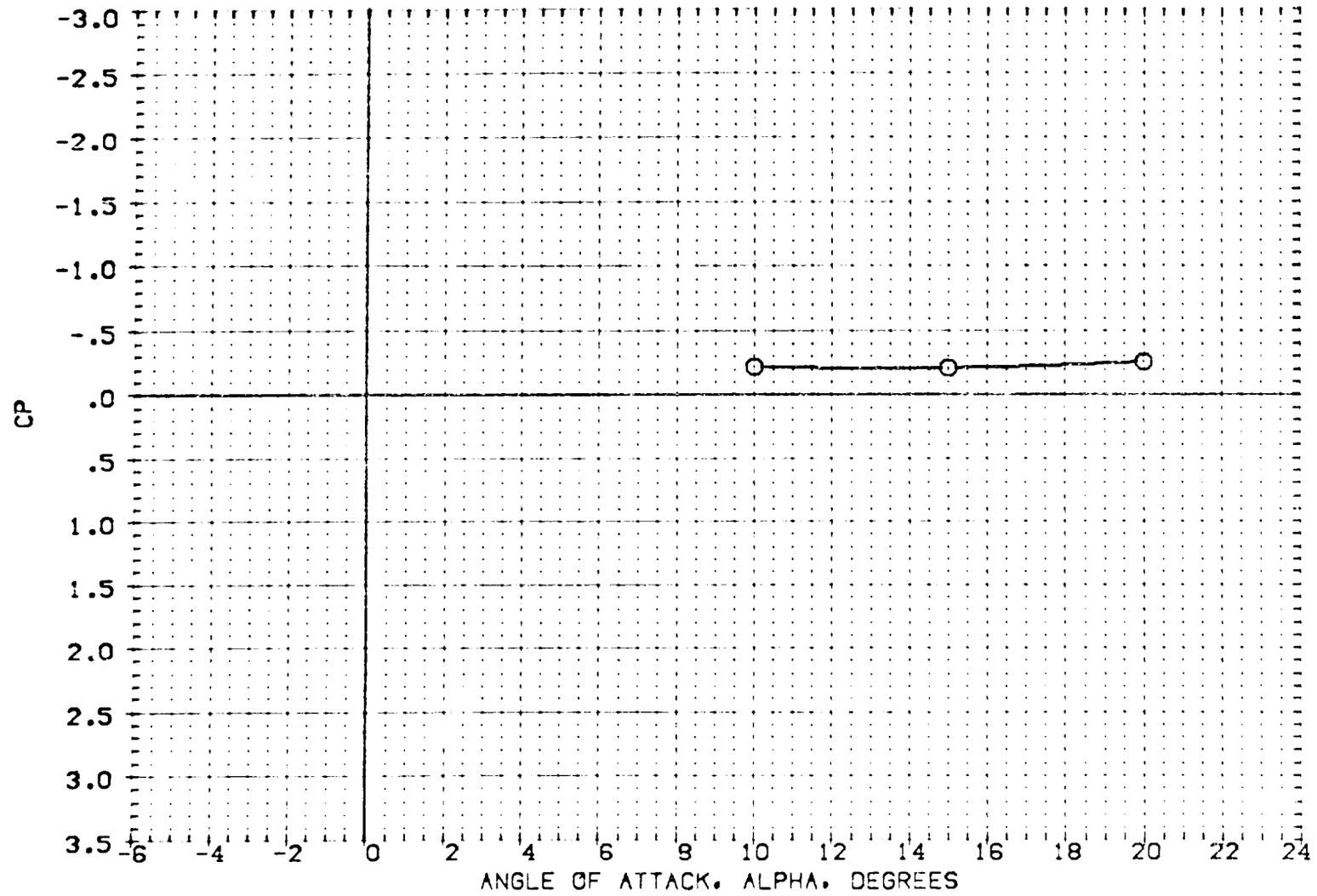


FIG 84 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 0

CA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT002)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.000

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

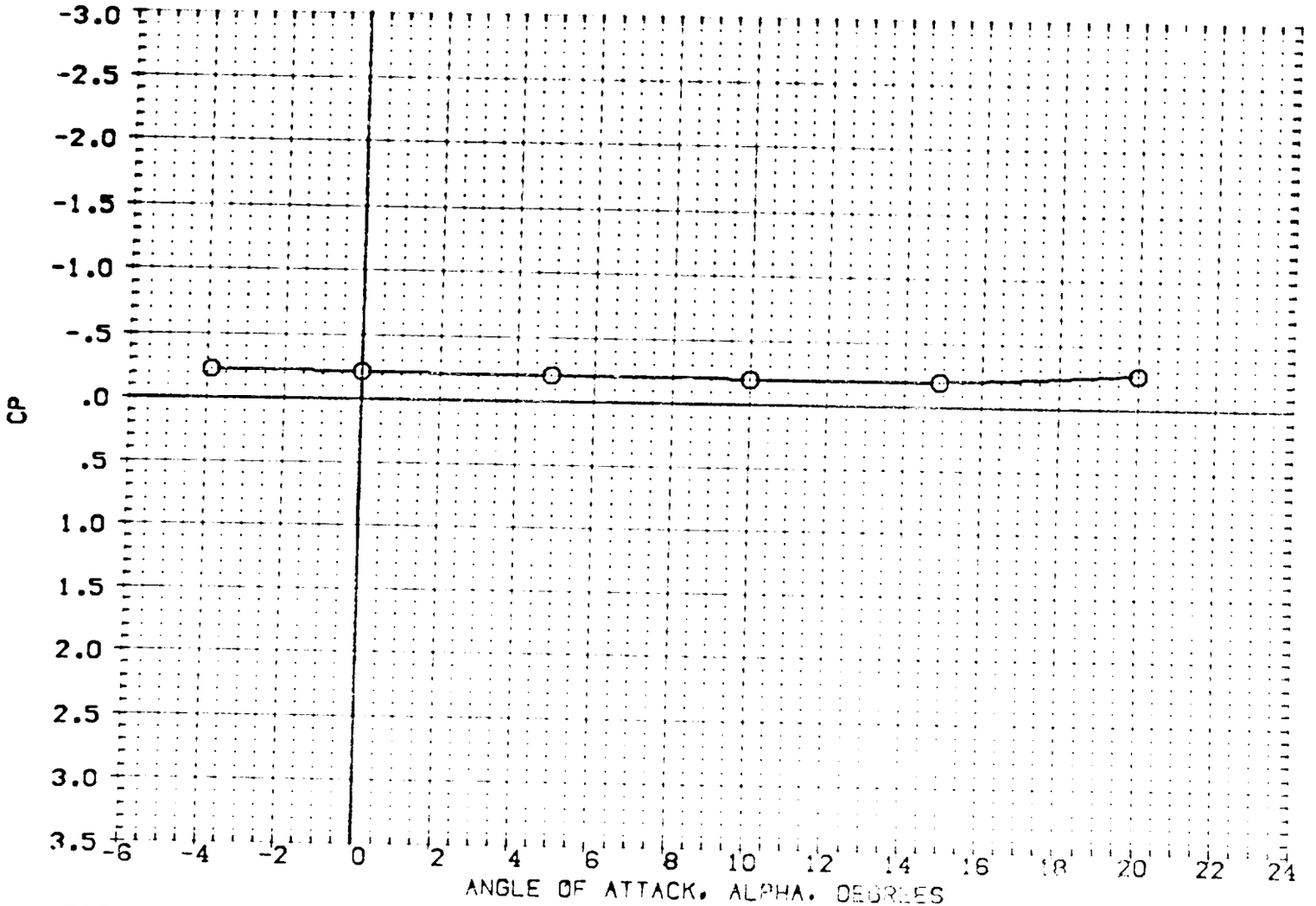


FIG 85 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT002)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.552

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

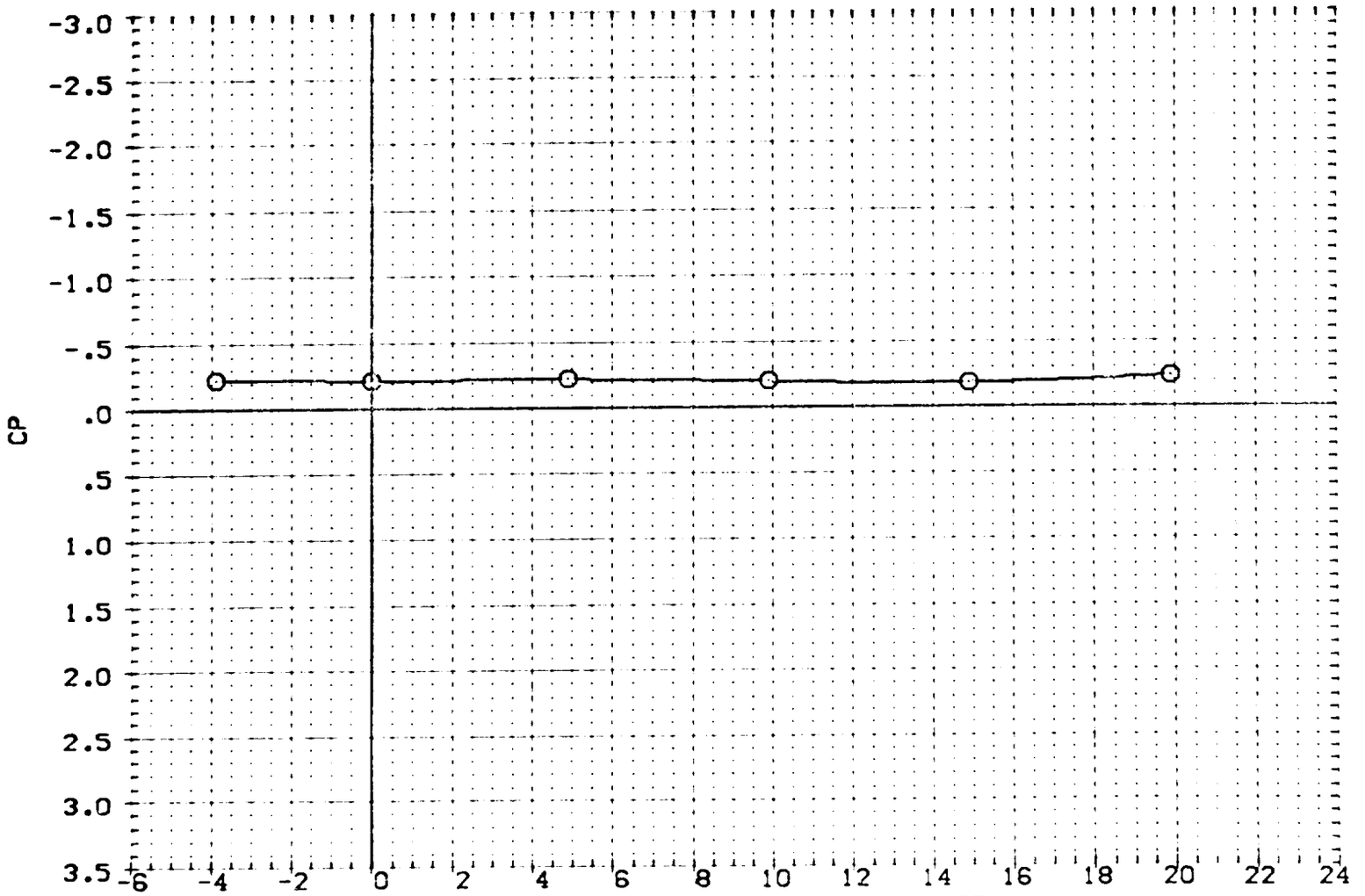


FIG 85 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 0

CA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT002)

SYMBOL	Z	X	PTI/P
O	.000	.000	2.144

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

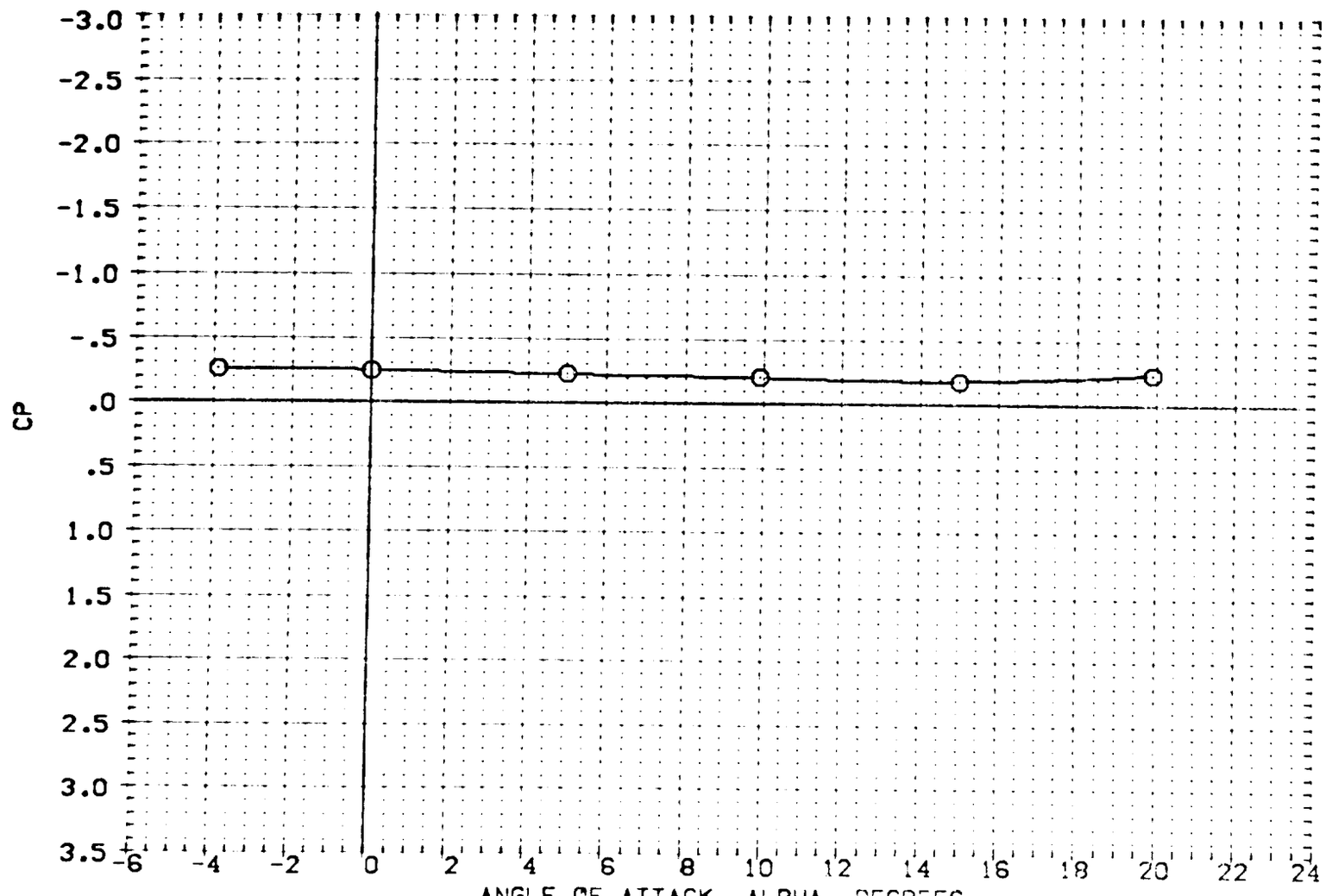


FIG 85 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT003)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.035

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

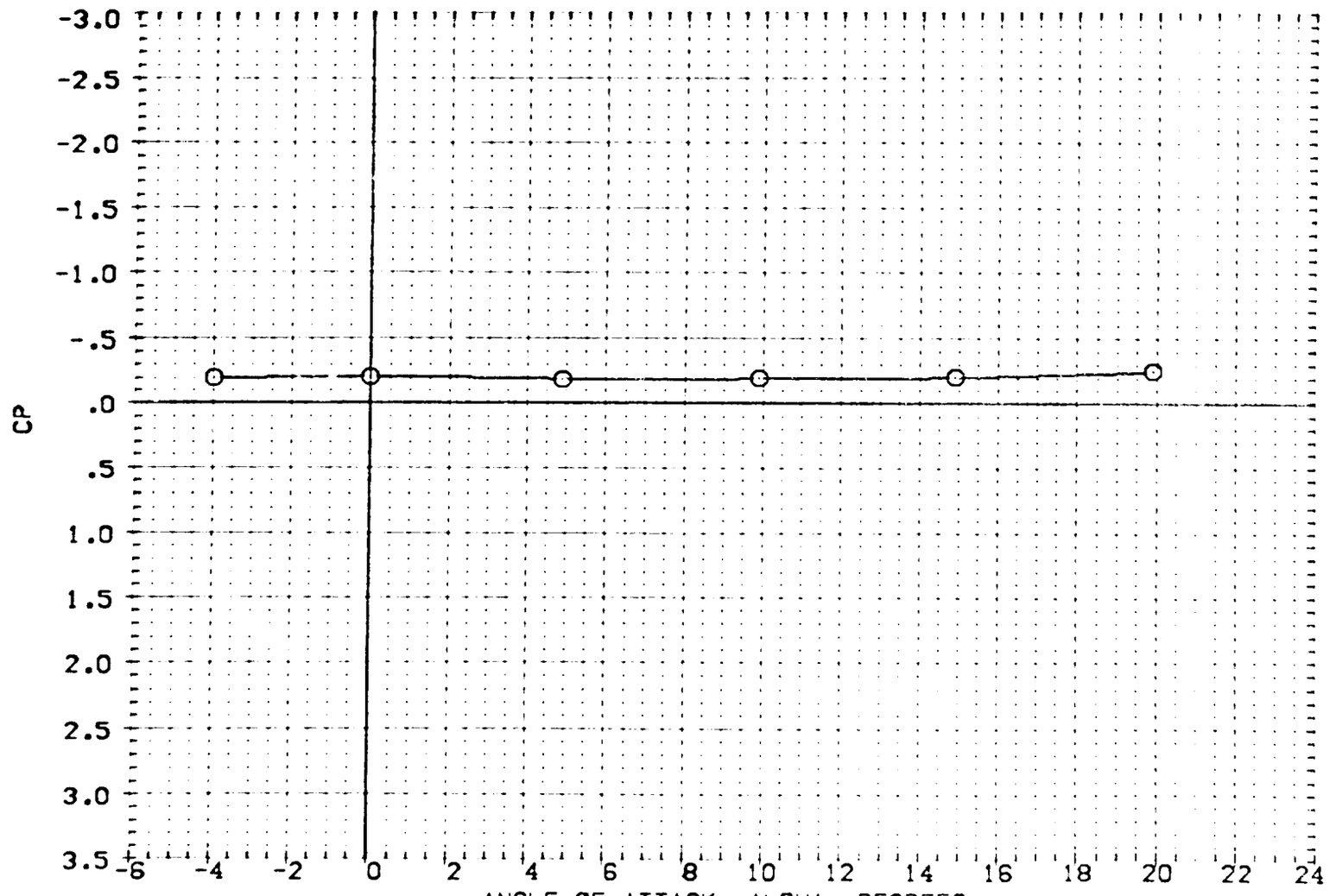


FIG 86 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVCN = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT003)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.317

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

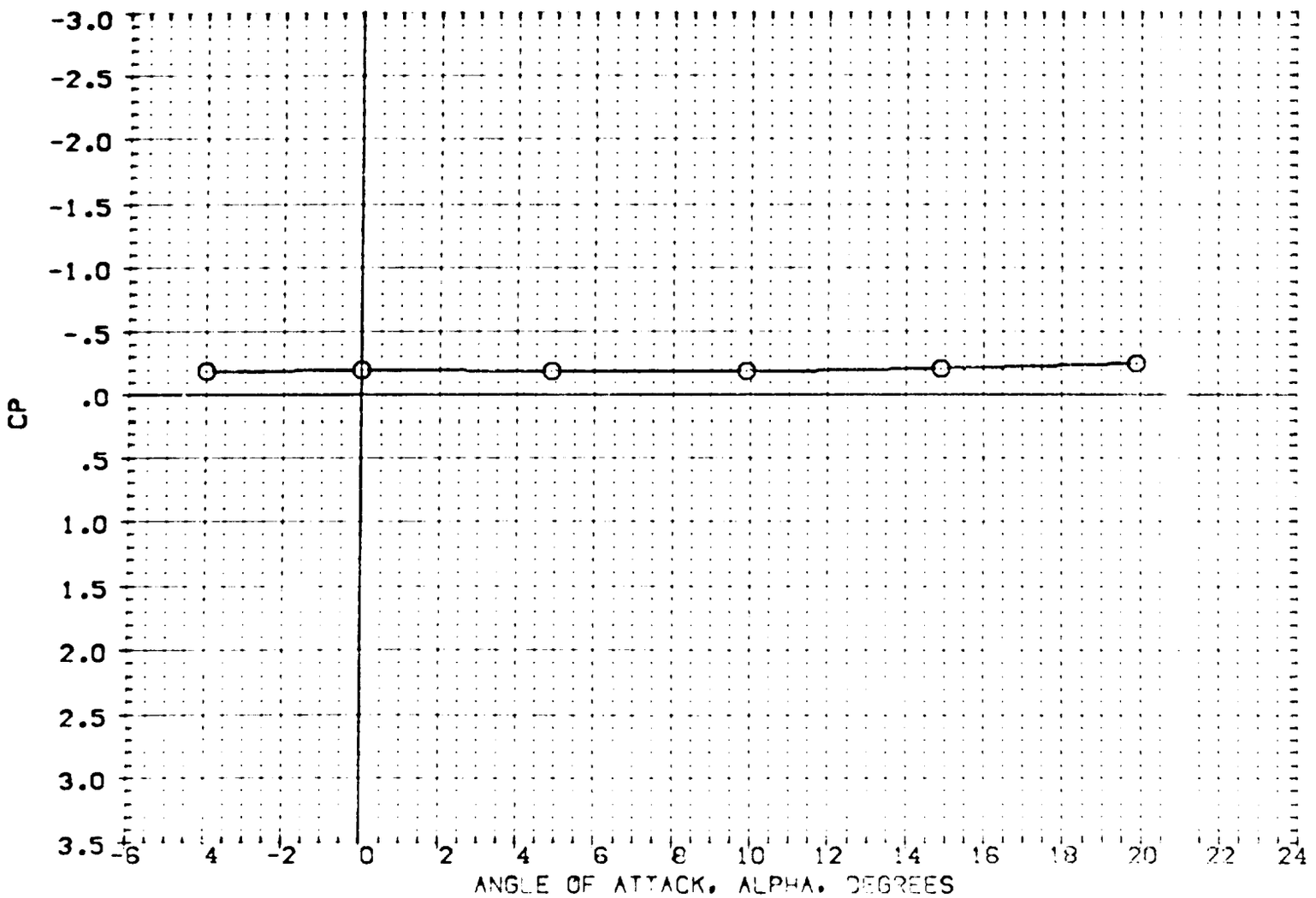


FIG 86 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 [illegible] CN = 0

CA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT003)

SYMBOL	Z	X	PT1/P
○	.000	.000	2.087

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

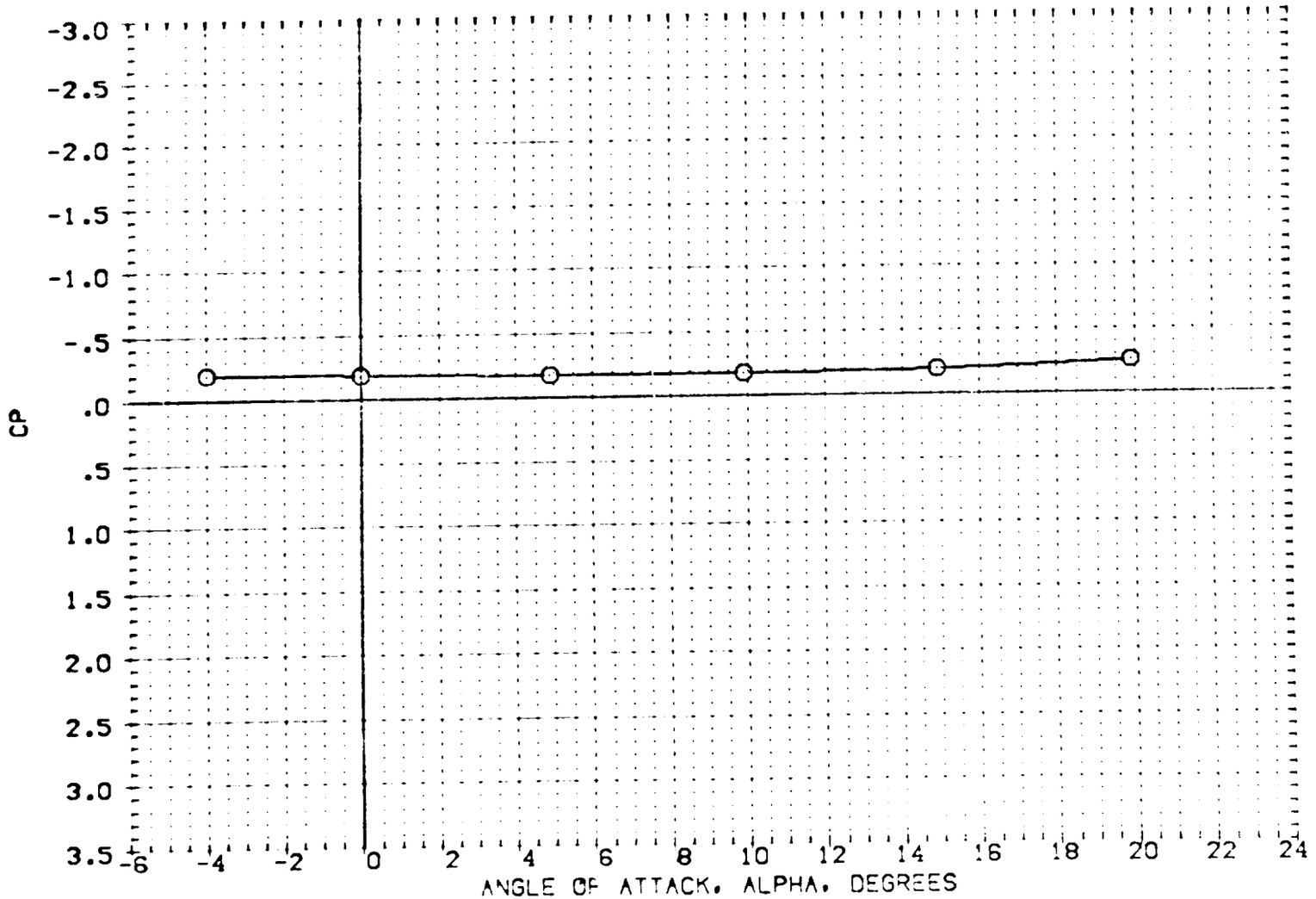


FIG 86 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT004)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.000

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

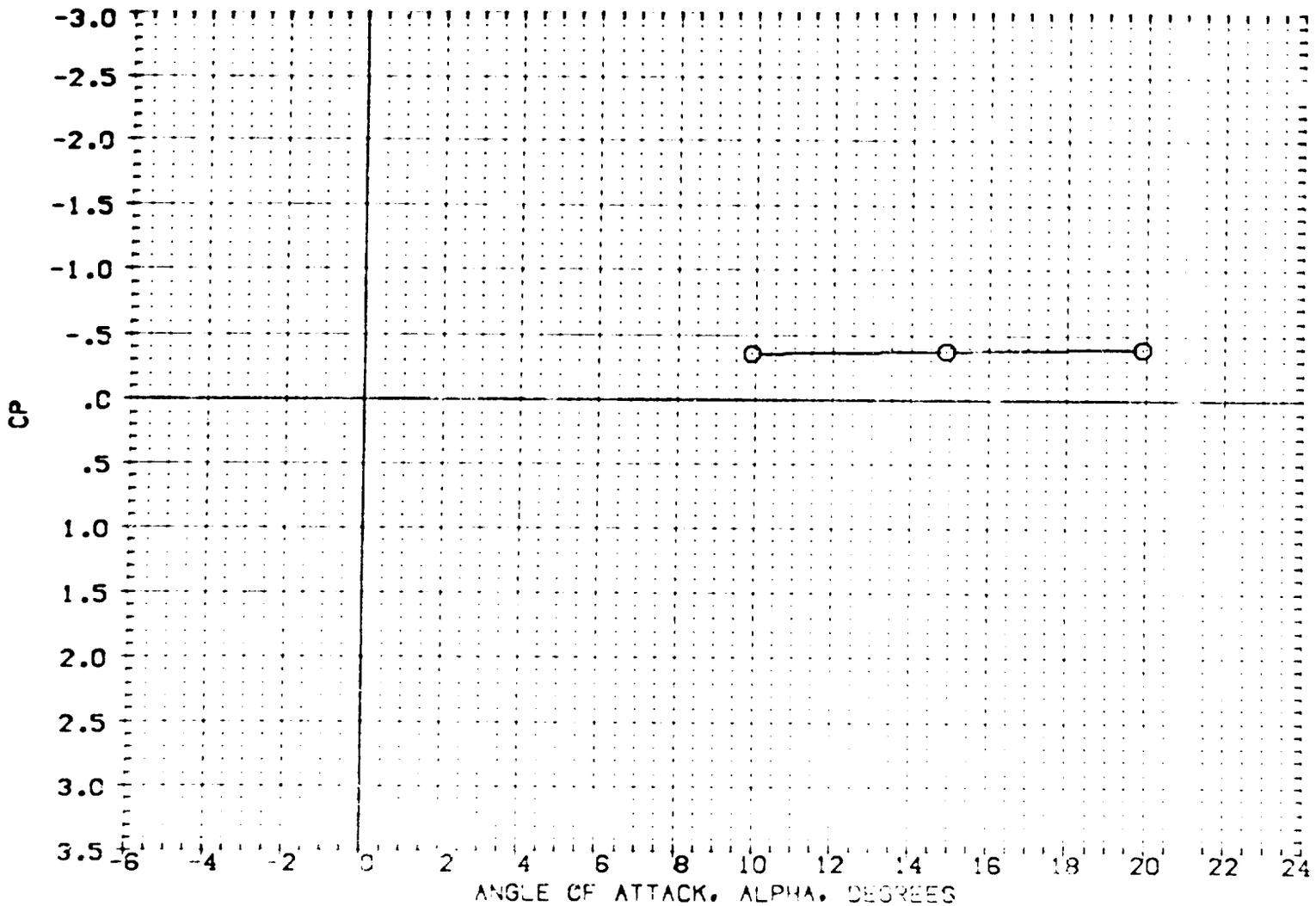


FIG 87 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT004)

SYMBOL	Z	X	P1/P
○	.000	.000	1.547

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

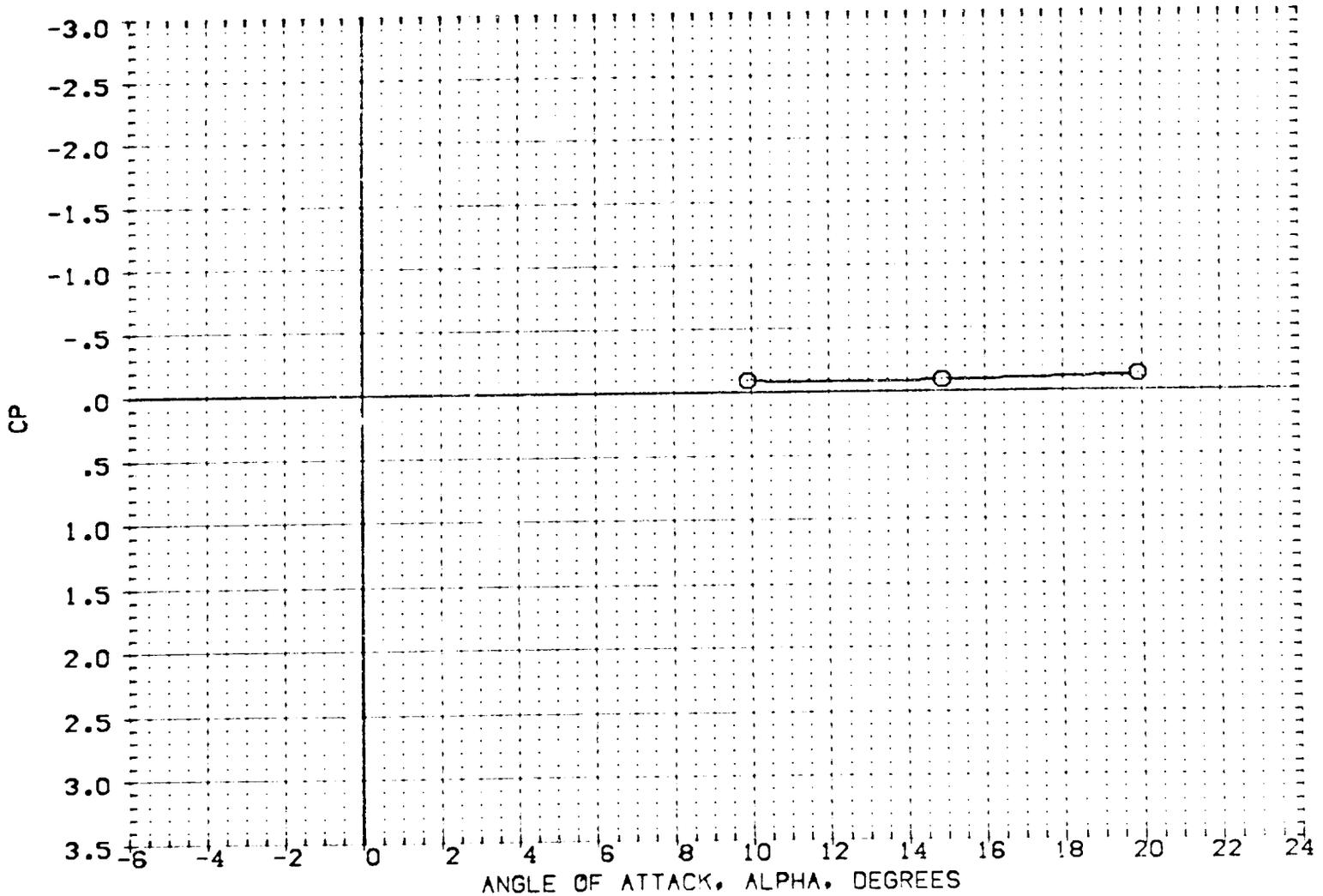


FIG 87 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT004)

SYMBOL	Z	X	PTI/P
○	.000	-.000	2.144

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

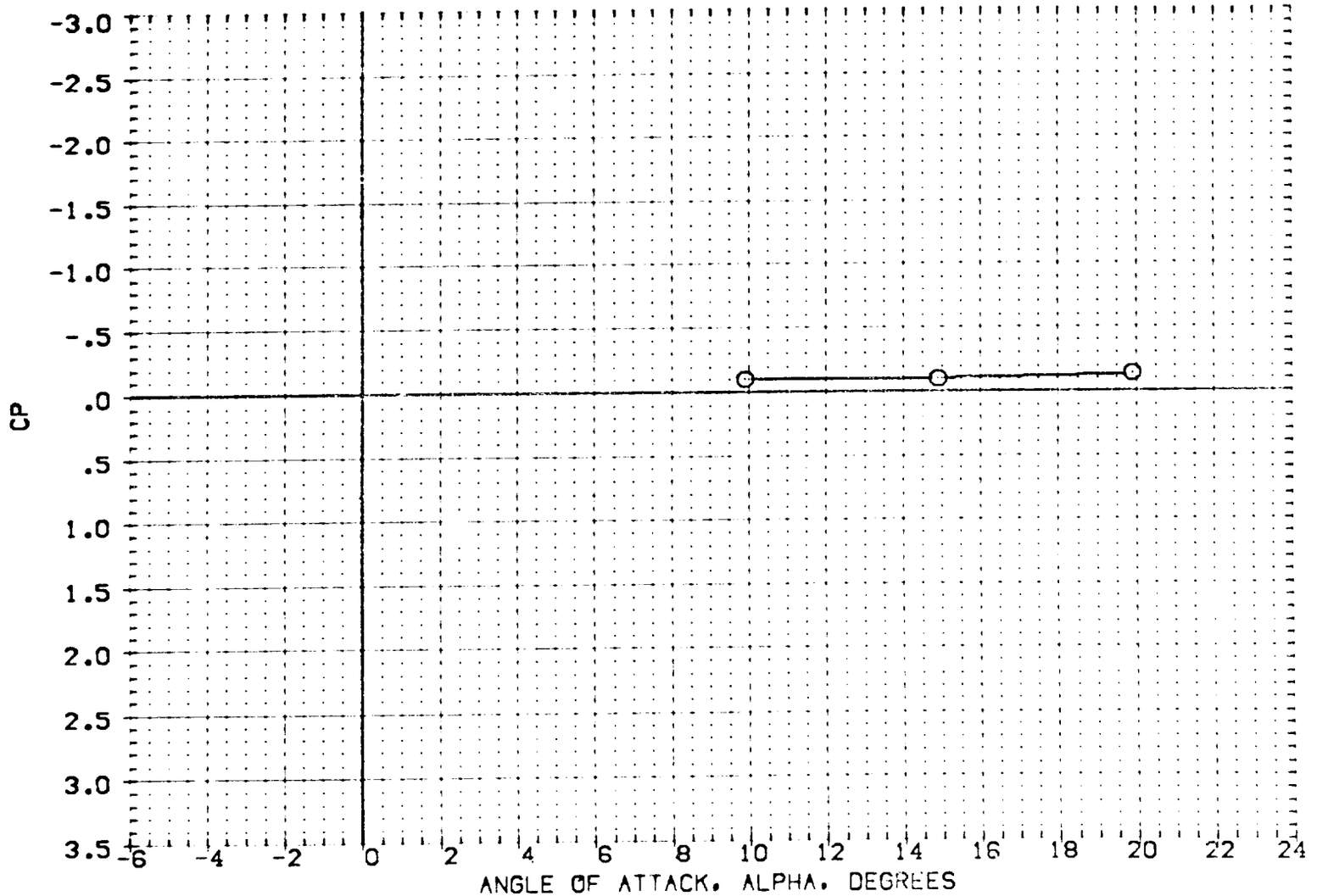


FIG 87 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT005)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.036

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

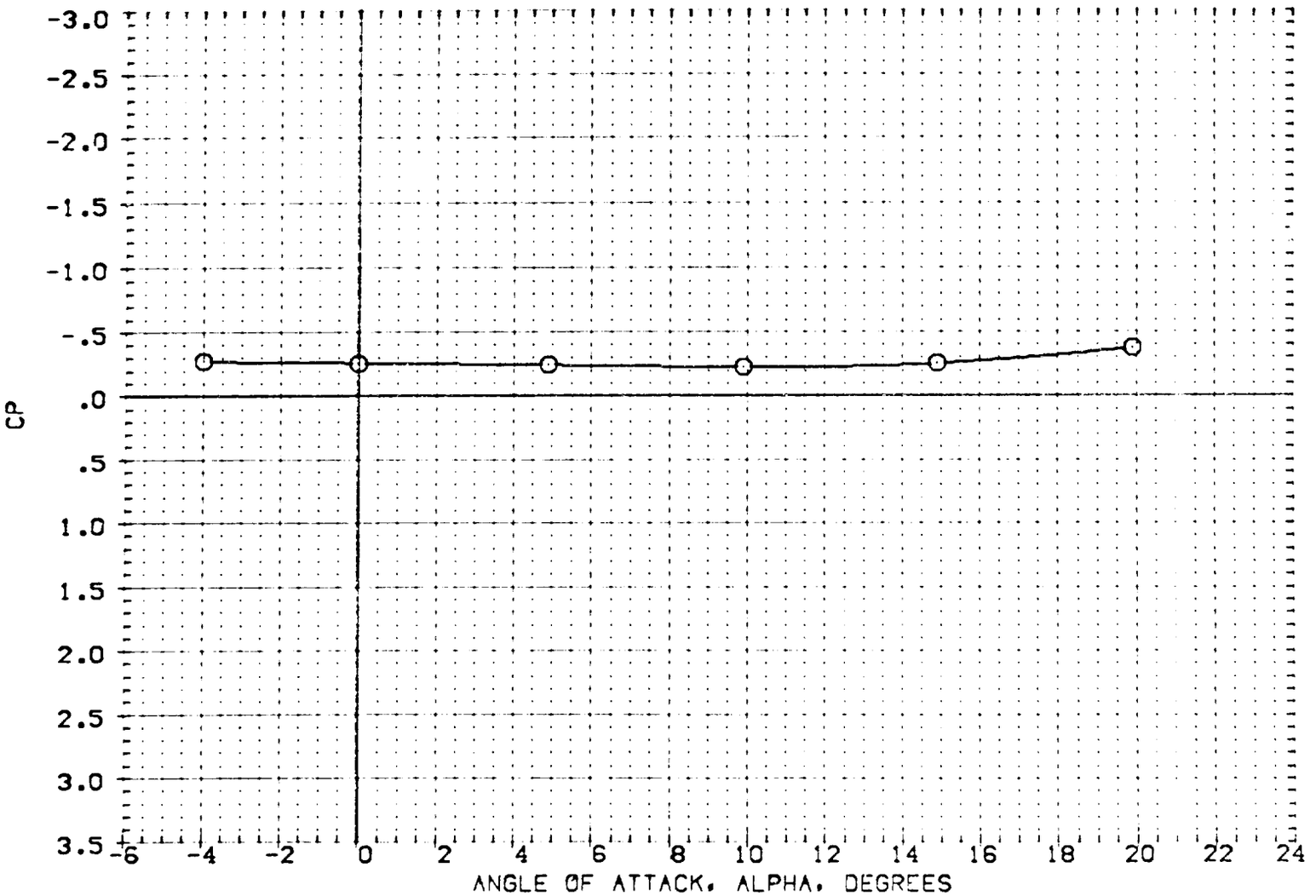


FIG 88 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT005)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.548

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

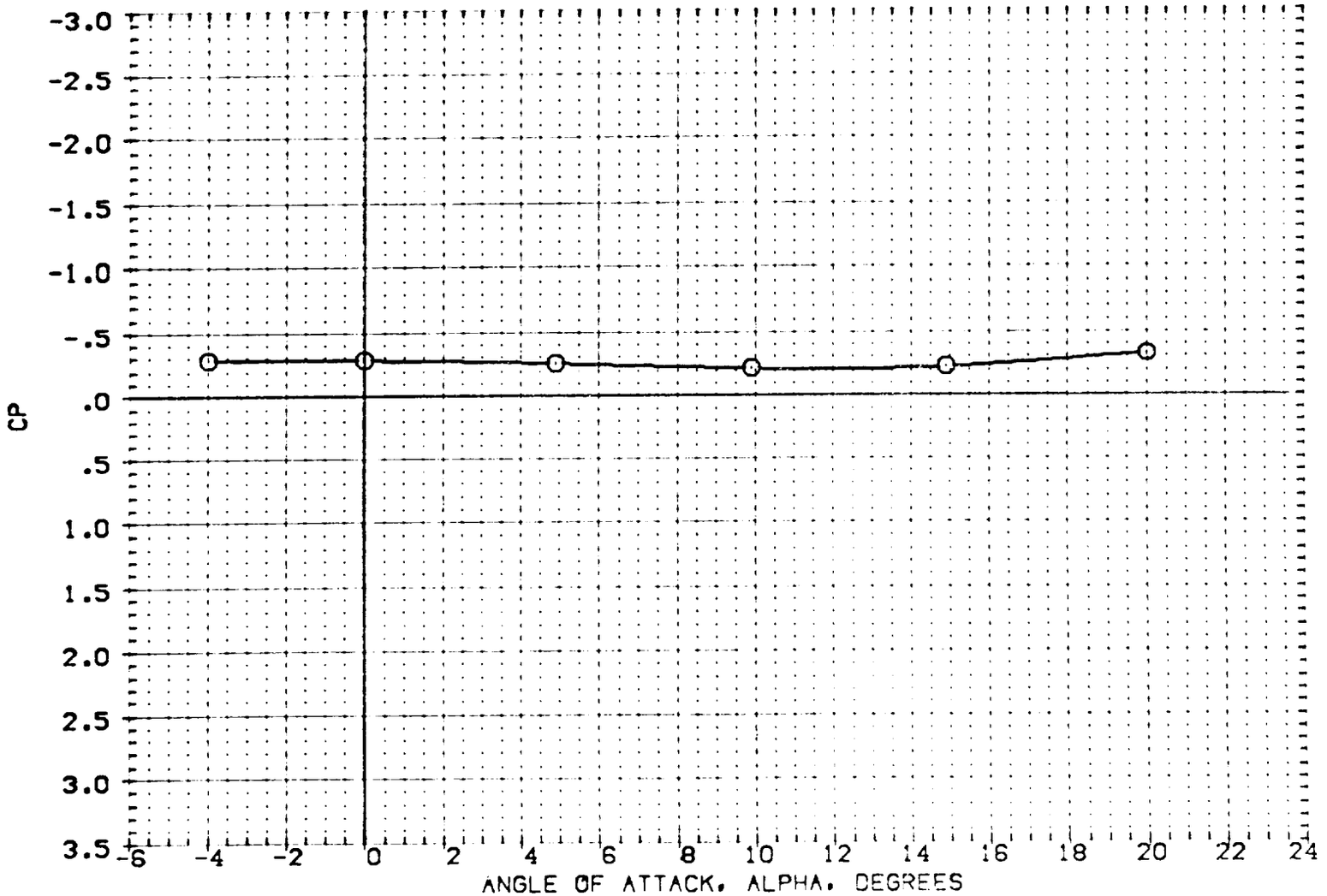


FIG 88 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT005)

SYMBOL	Z	X	PT1/P
O	.000	.000	2.053

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

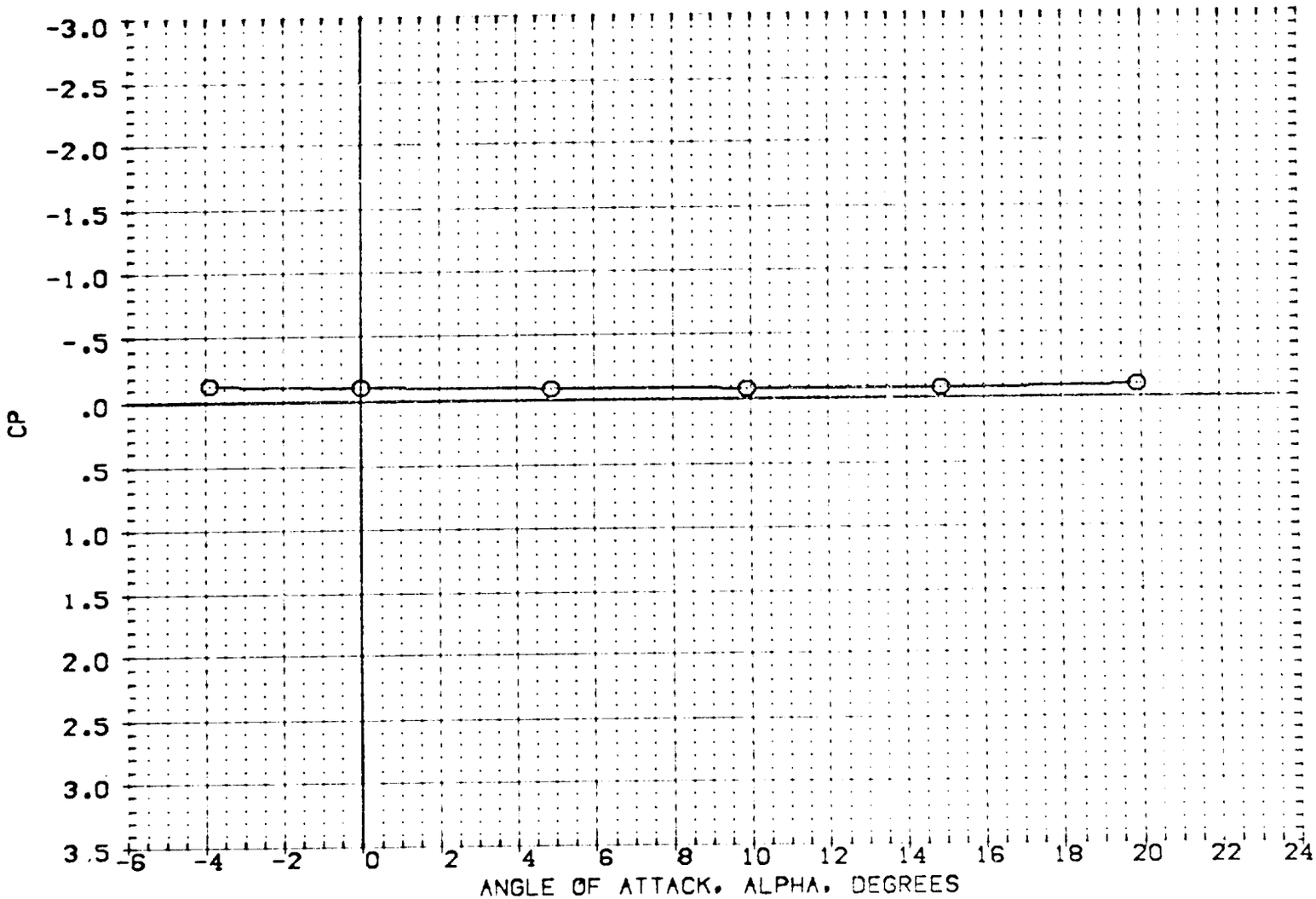


FIG 88 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT006)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.037

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

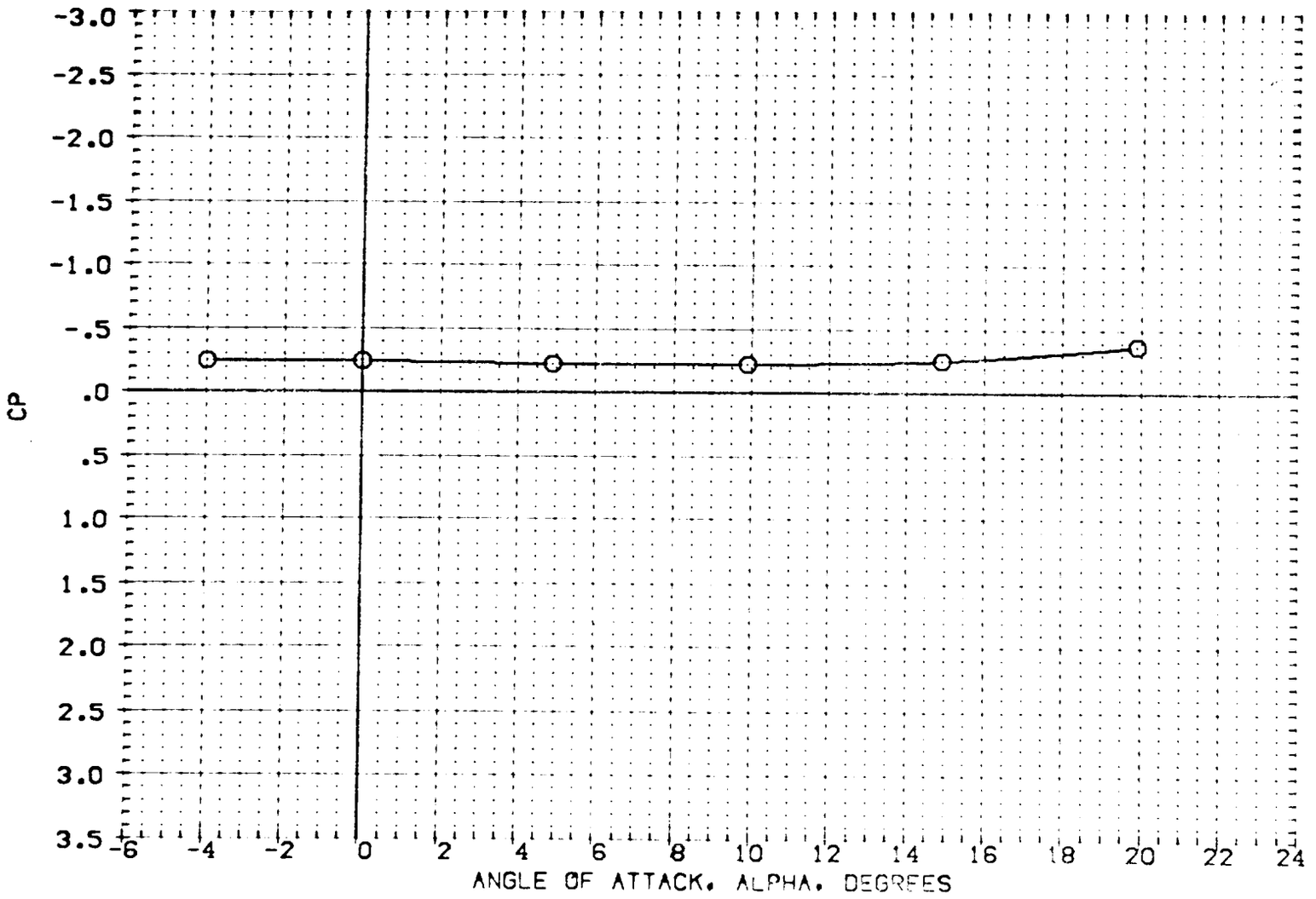


FIG 89 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 15

SYMBOL	Z	X	PT1/P
○	.000	.000	1.323

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

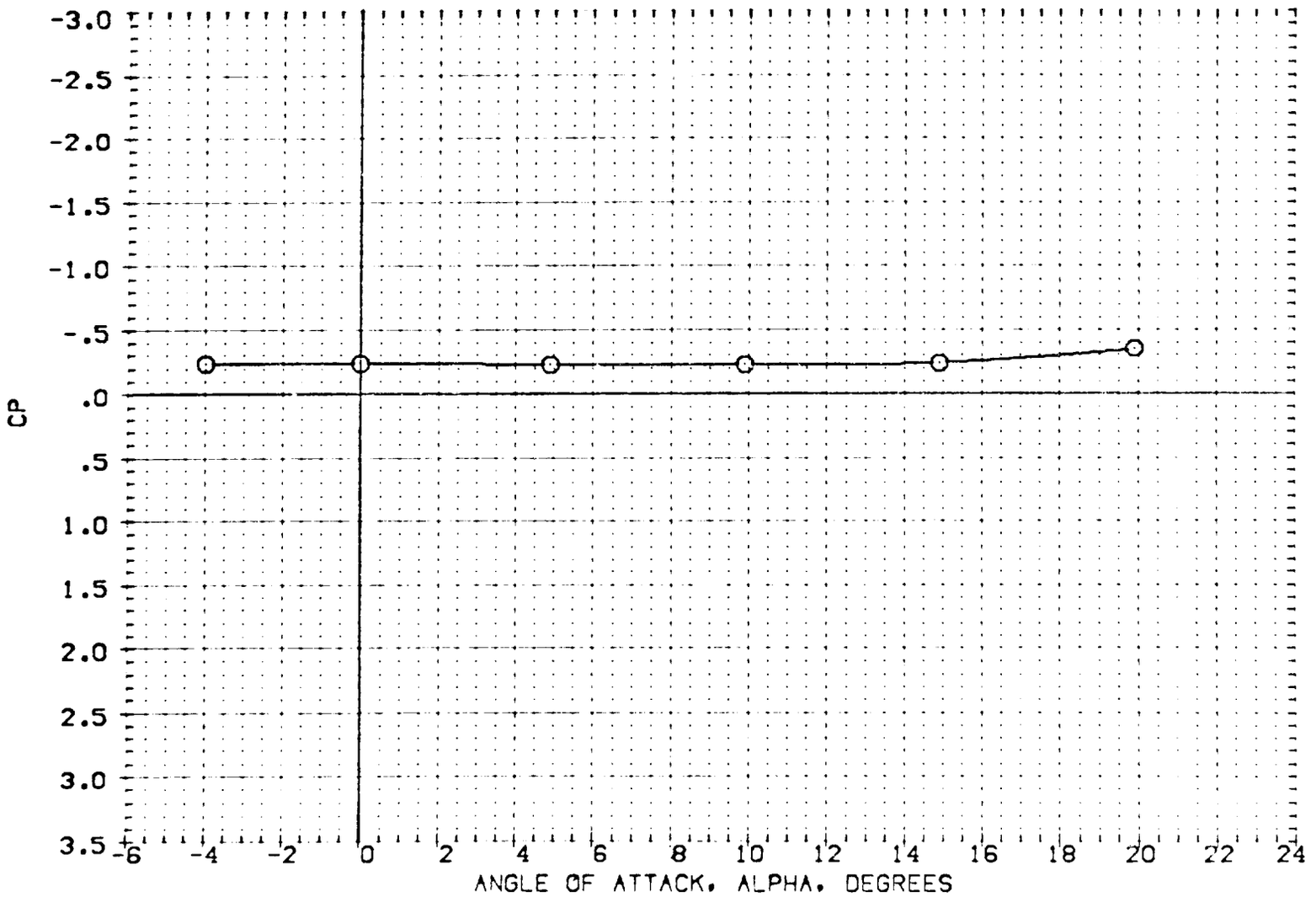


FIG 89 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT006)

SYMBOL	Z	X	PTI/P
O	.000	.000	2.110

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

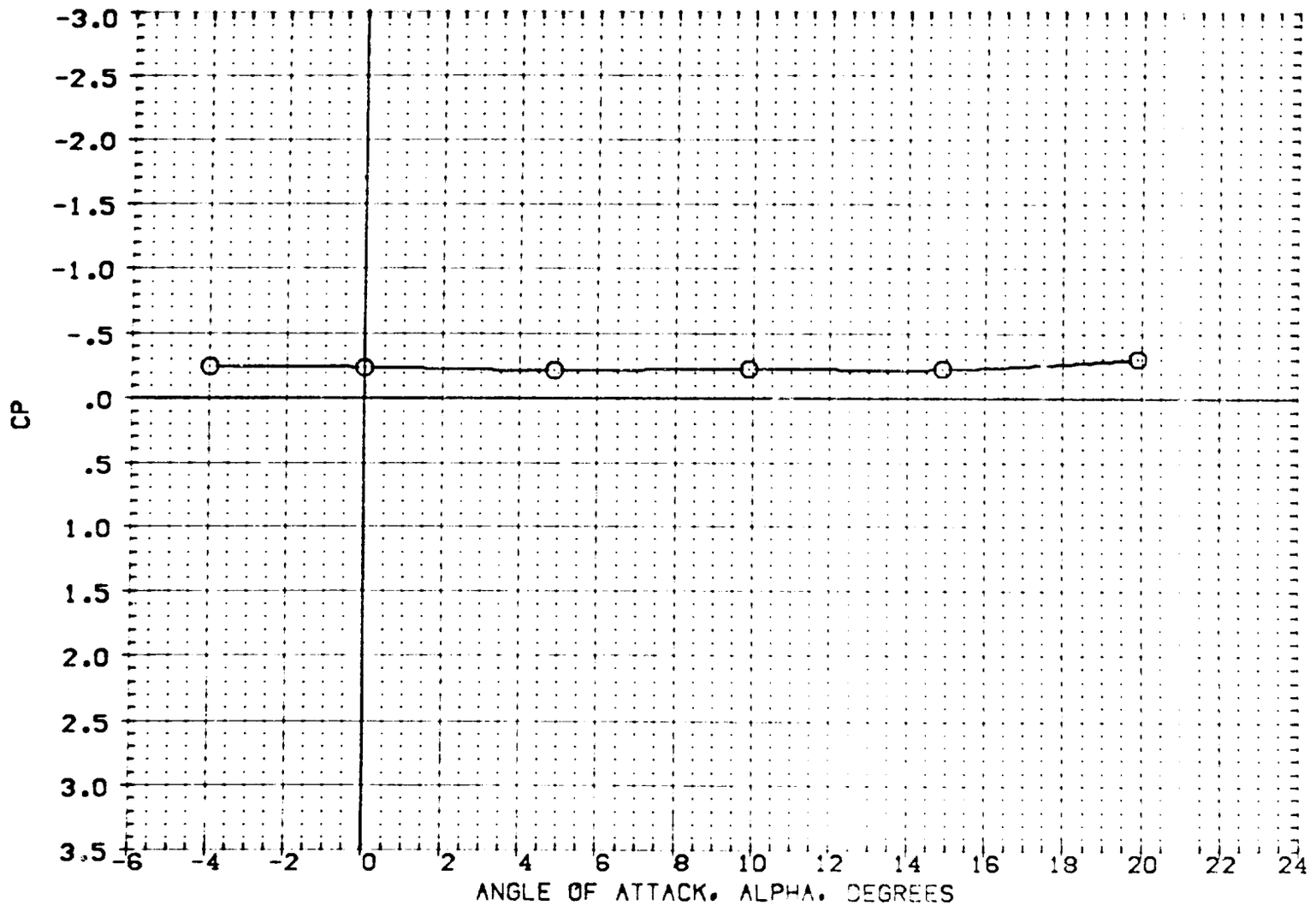


FIG 89 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BOD FLAP UPPER (CDT007)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.041

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	-15.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

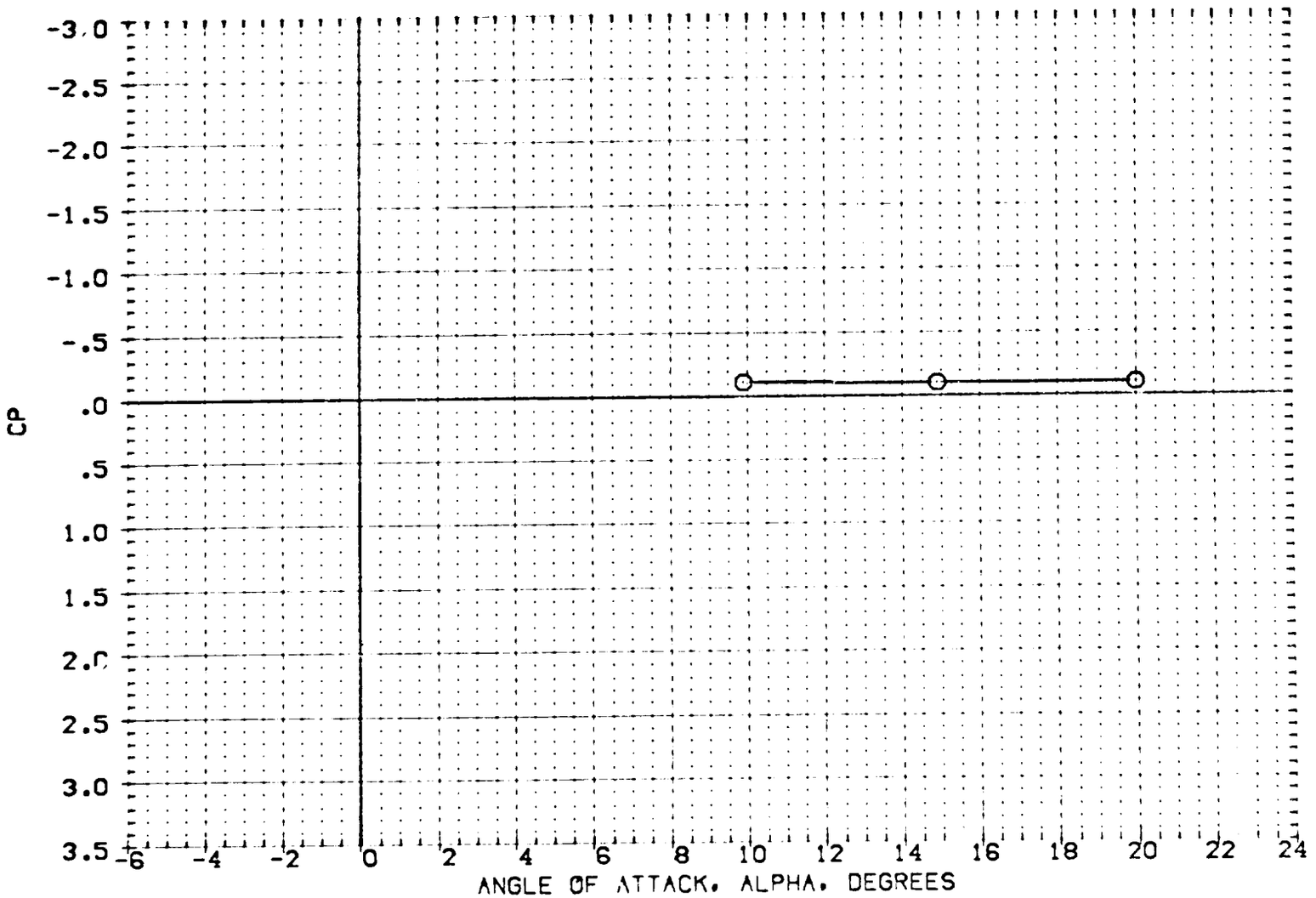


FIG 90 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT007)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.542

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	-15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

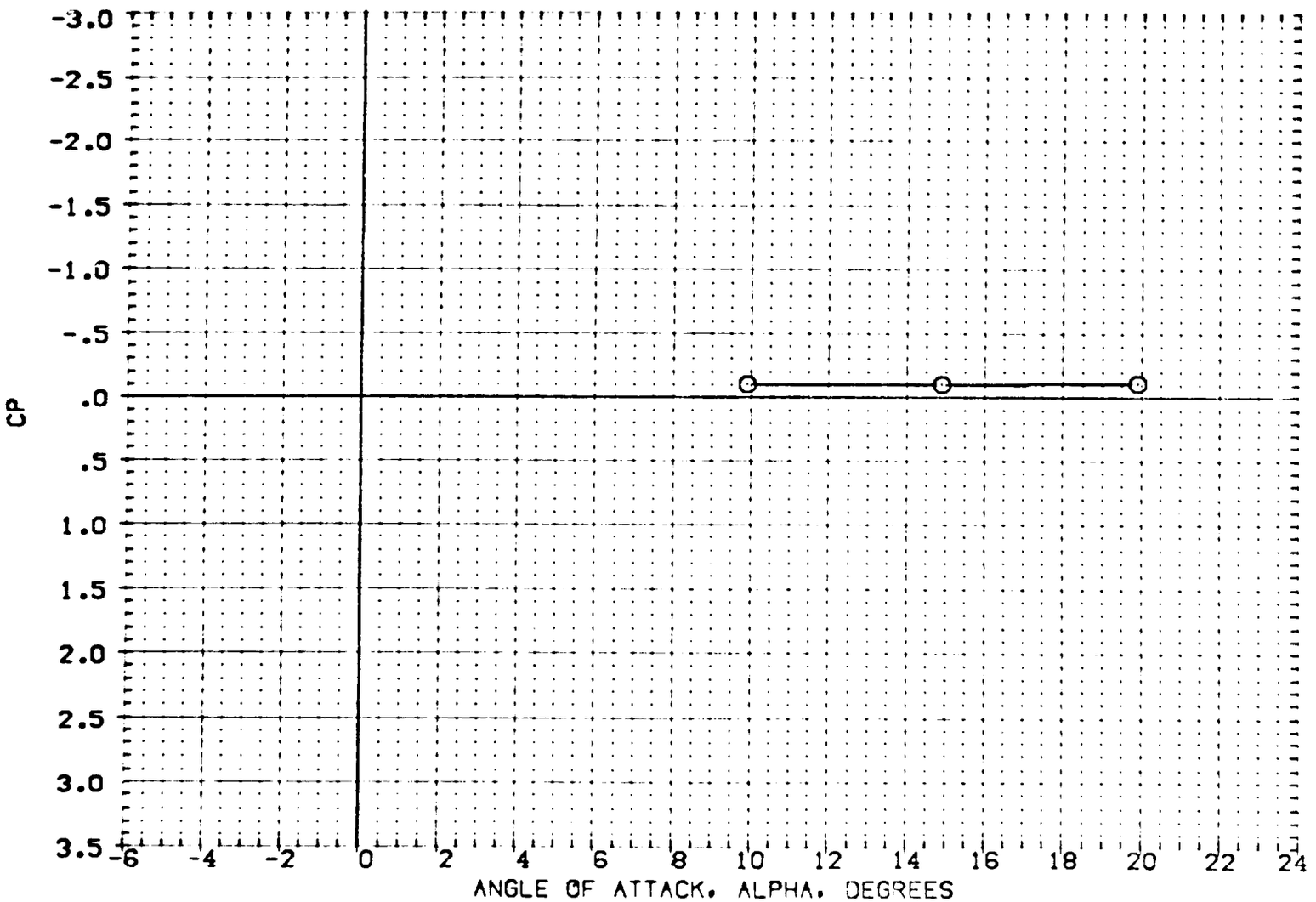


FIG 90 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON =-15

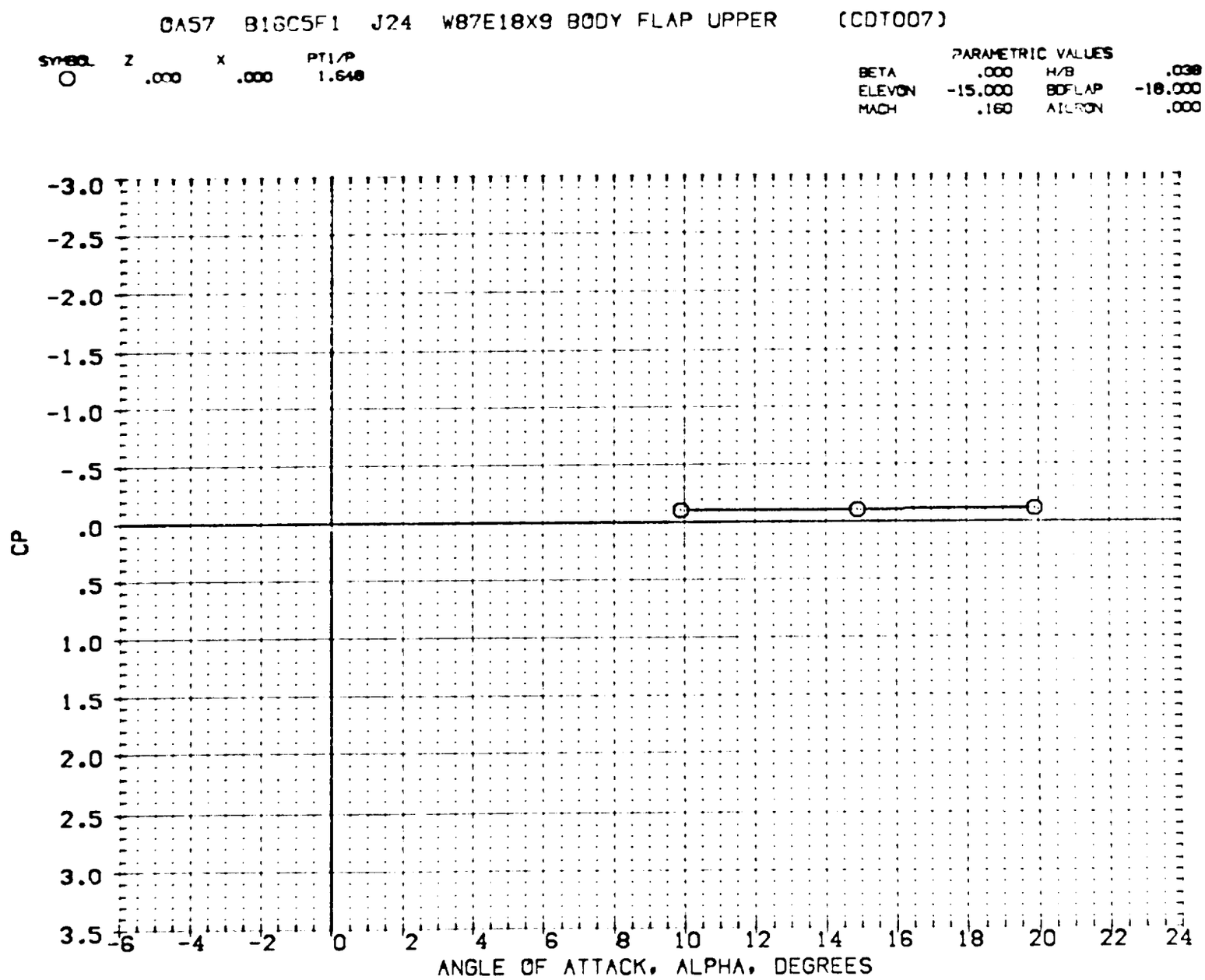


FIG 90 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT008)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.027

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	-15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

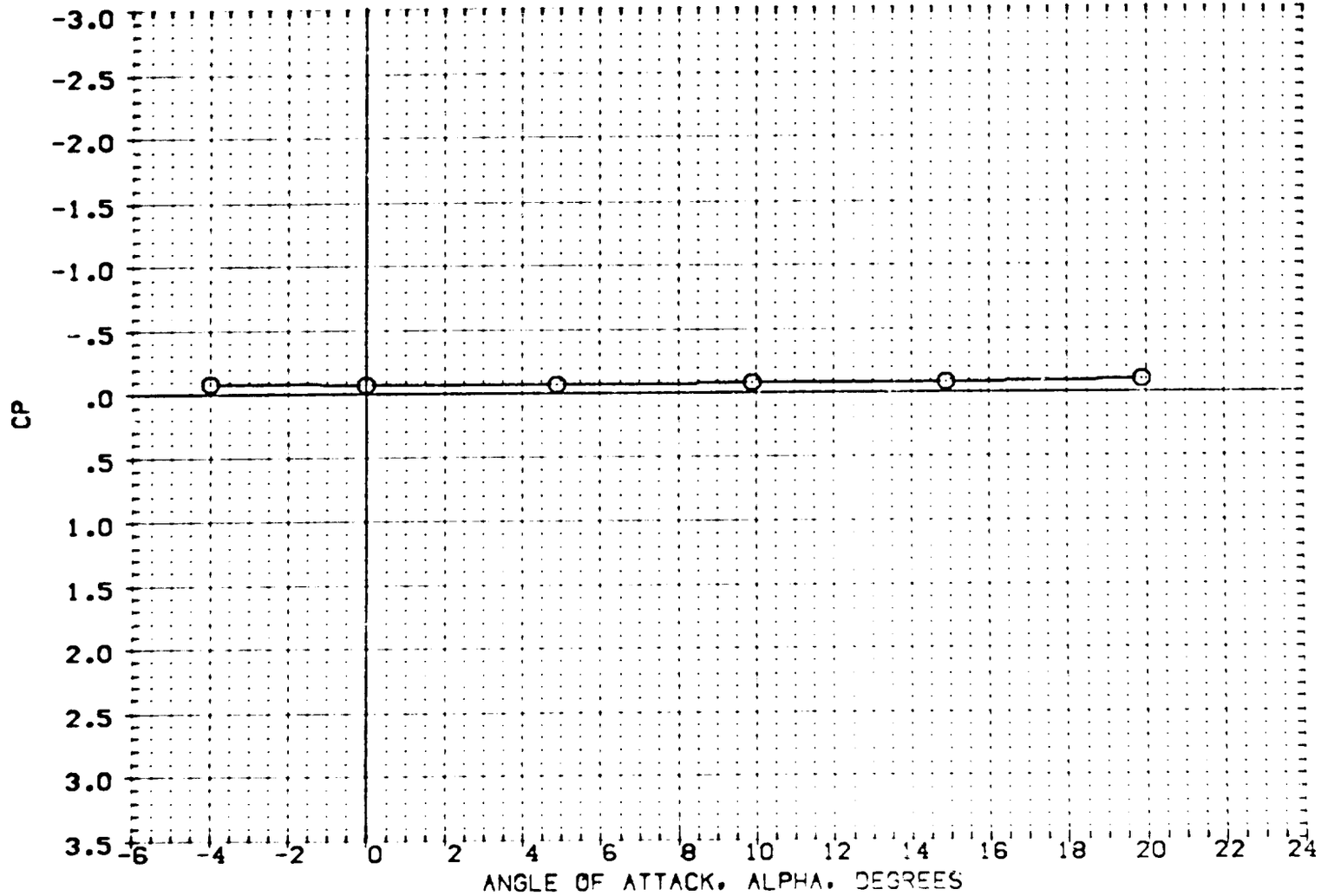


FIG 91 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT008)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.557

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	-15.000	BDY LAP	-18.000
MACH	.160	AILRON	.000

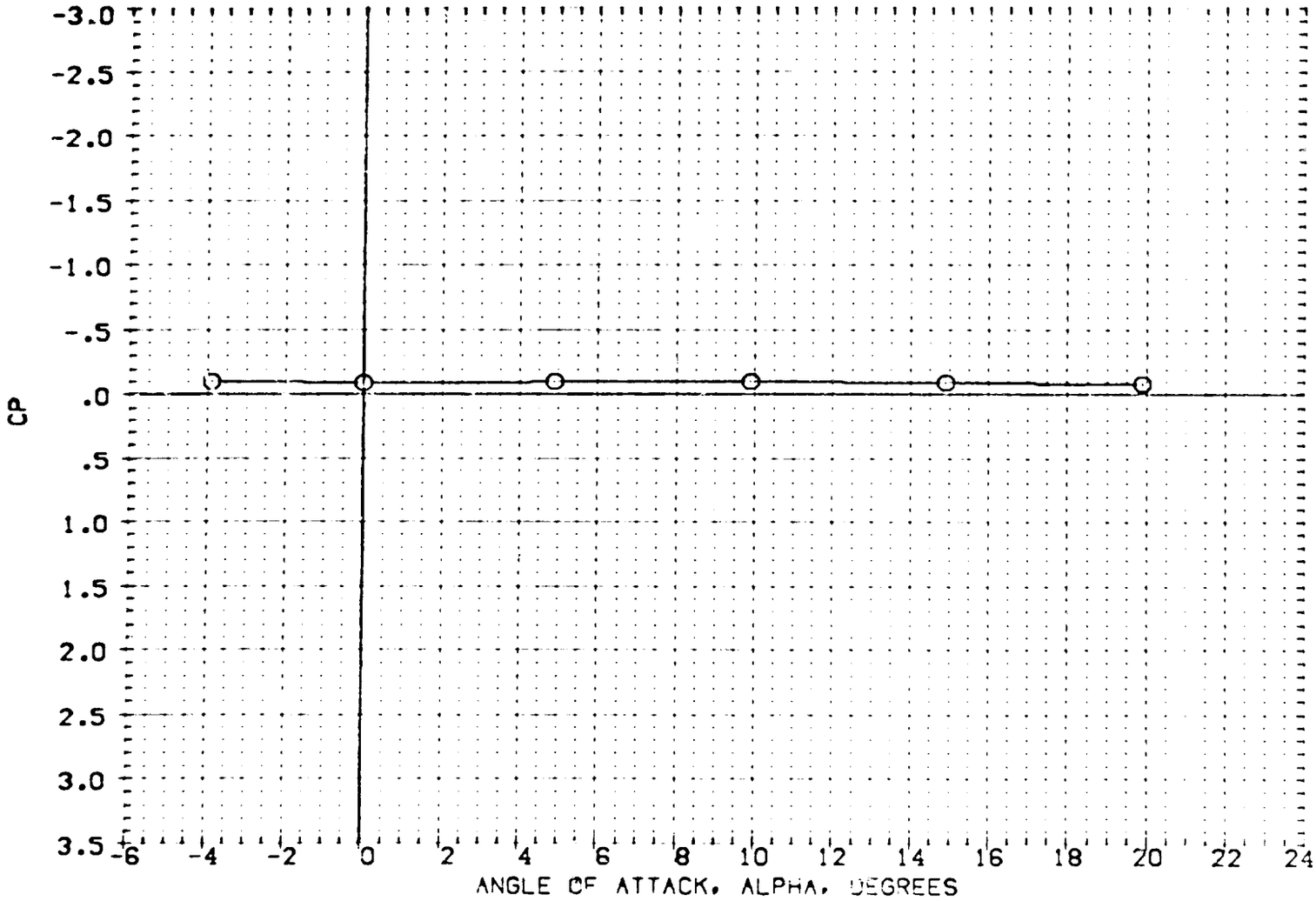


FIG 91 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON =-15

SYMBOL	Z	X	PTI/P
O	.000	.000	2.069

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	-15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

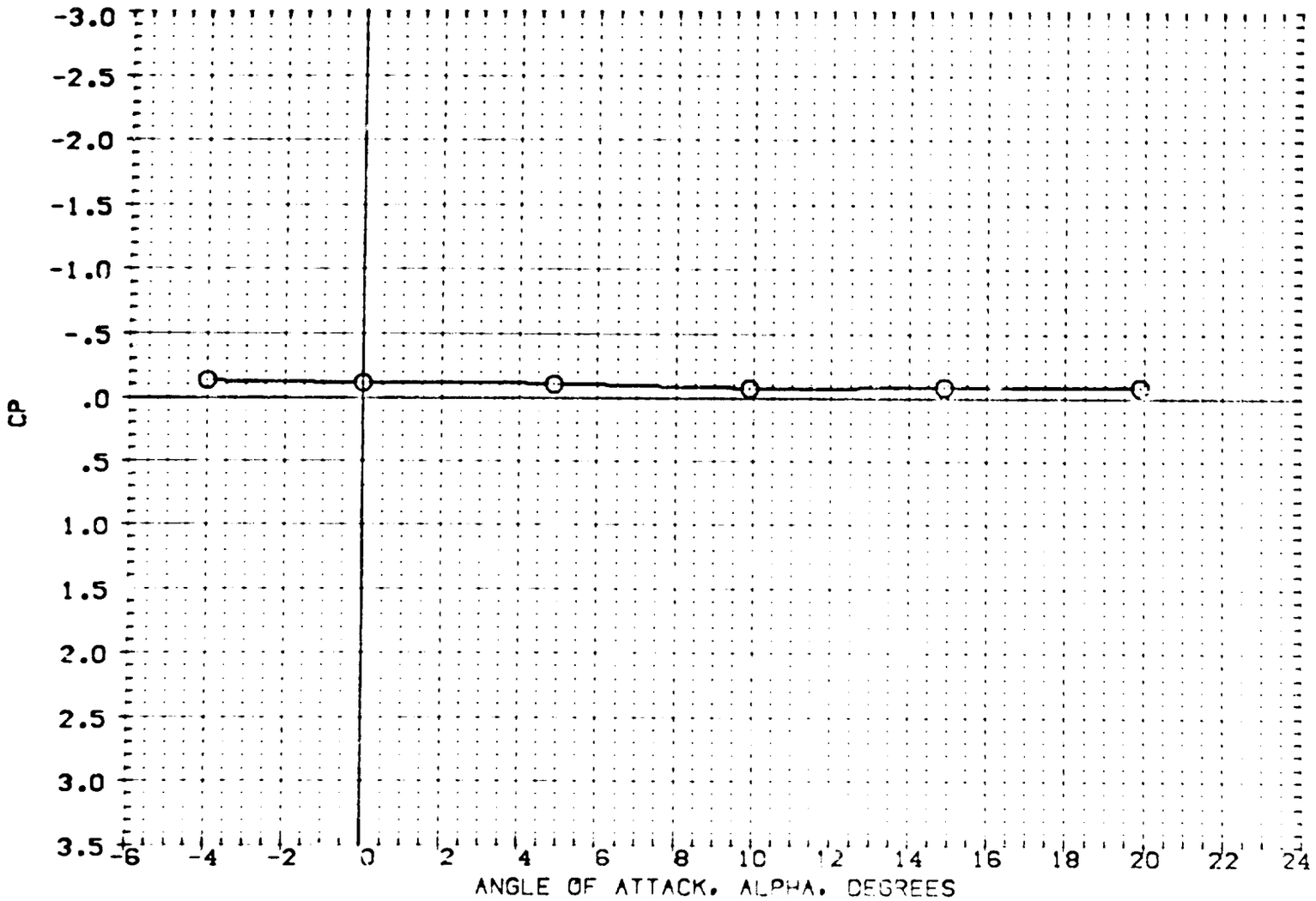


FIG 91 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON =-15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT009)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.039

PARAMETRIC VALUES

BET	.000	H/B	.038
ELEVON	.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

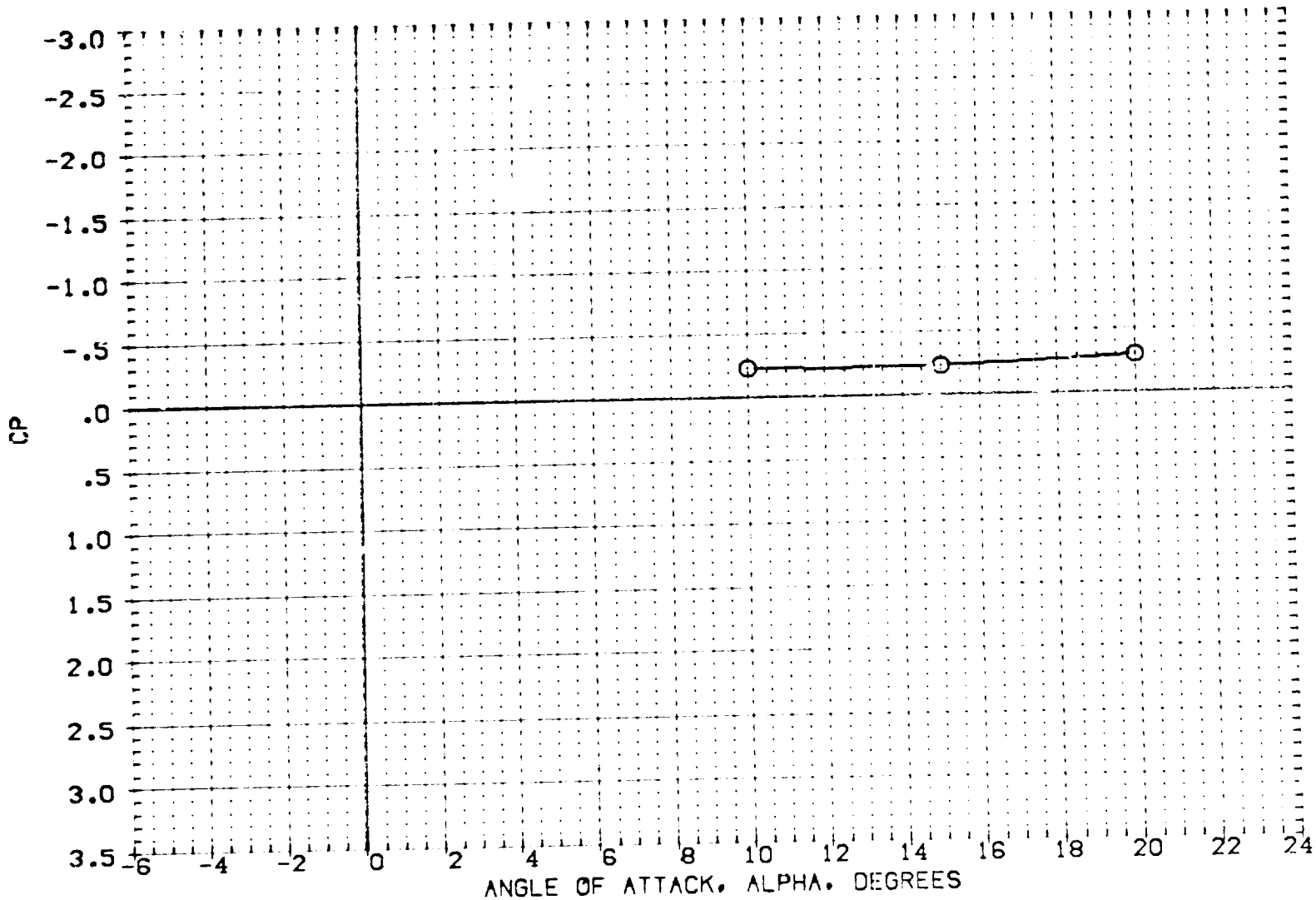


FIG 92 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT009)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.617

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BOFLAP	-10.000
MACH	.160	AILRON	.000

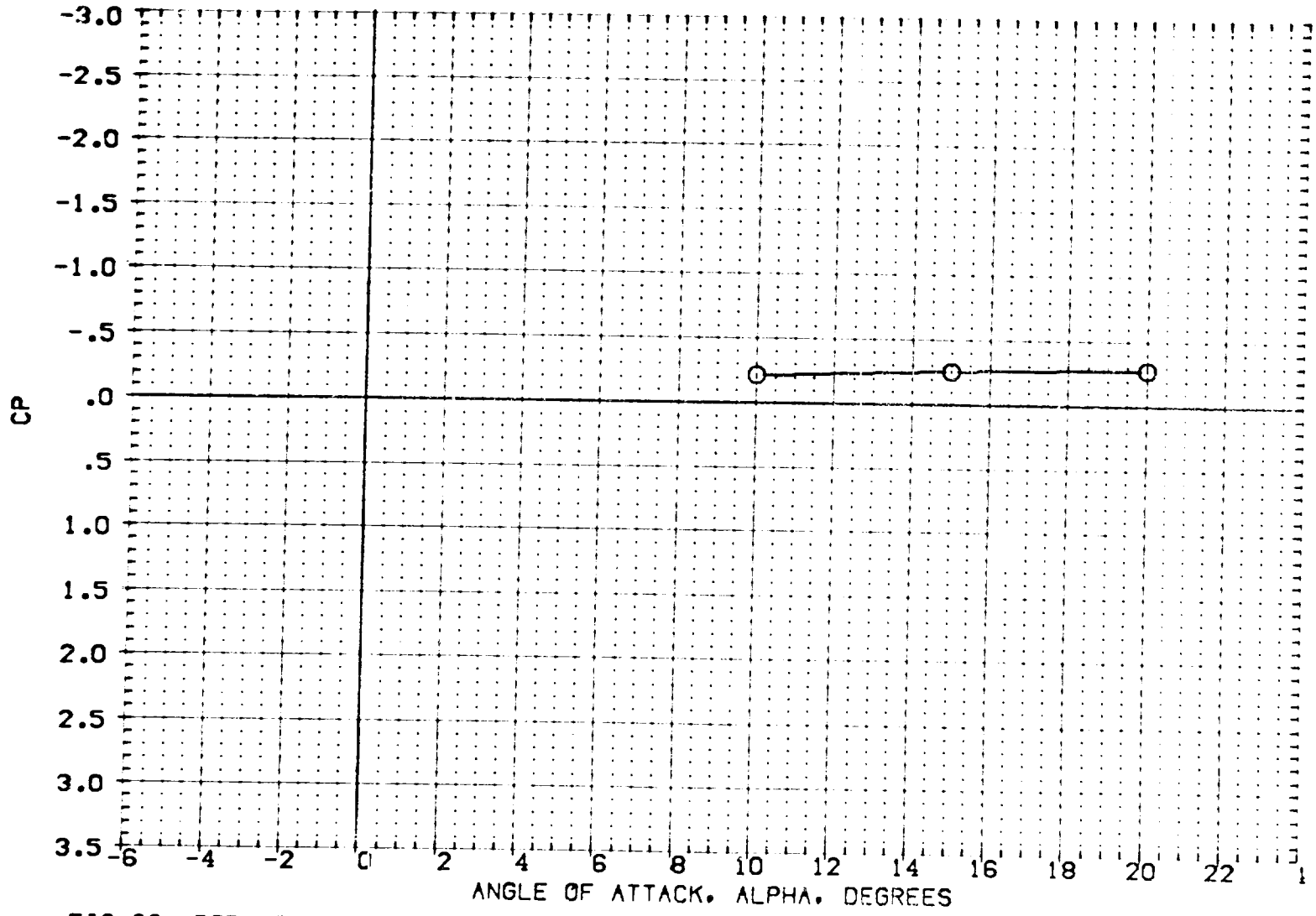


FIG 92 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 0

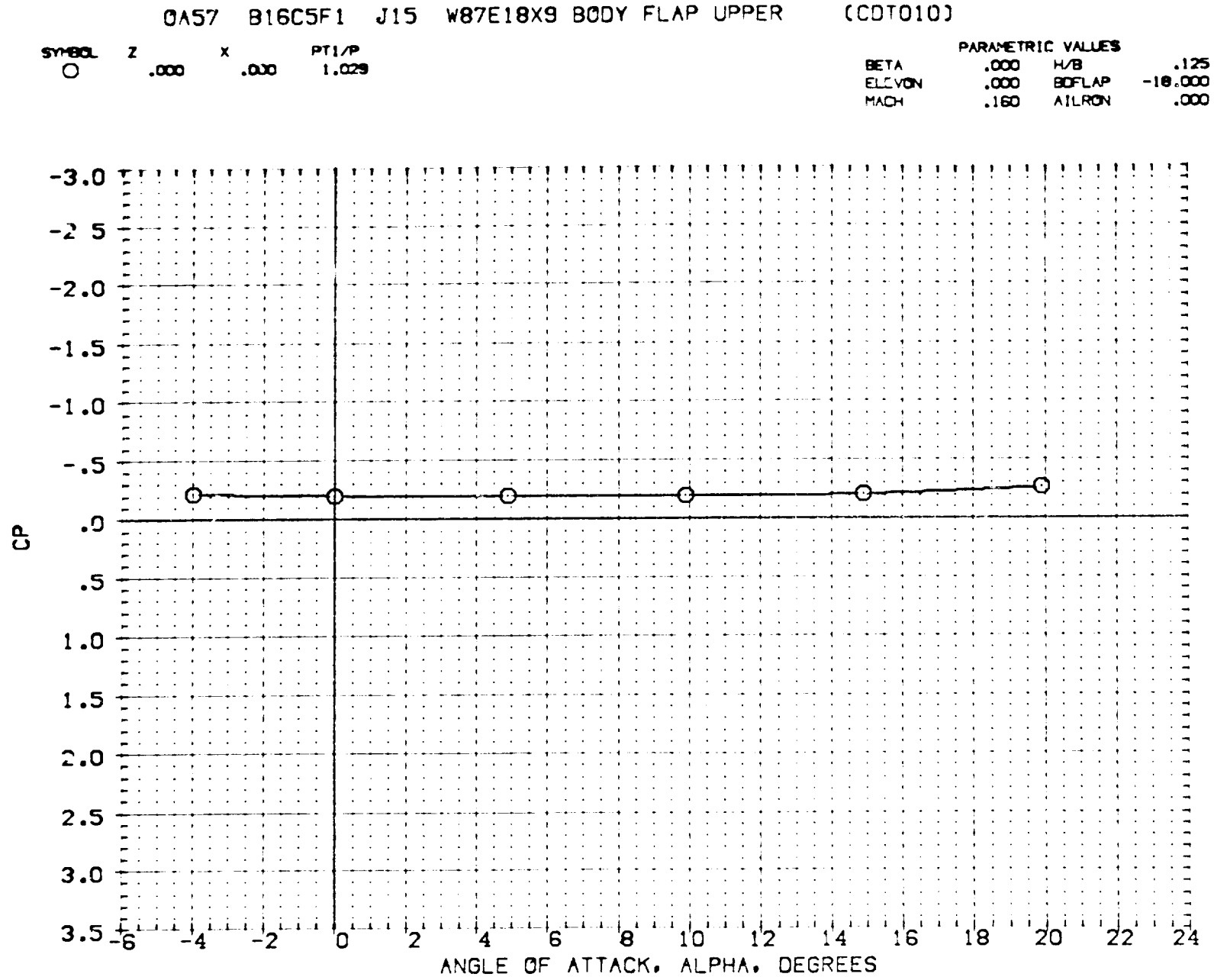


FIG 93 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT010)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.620

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

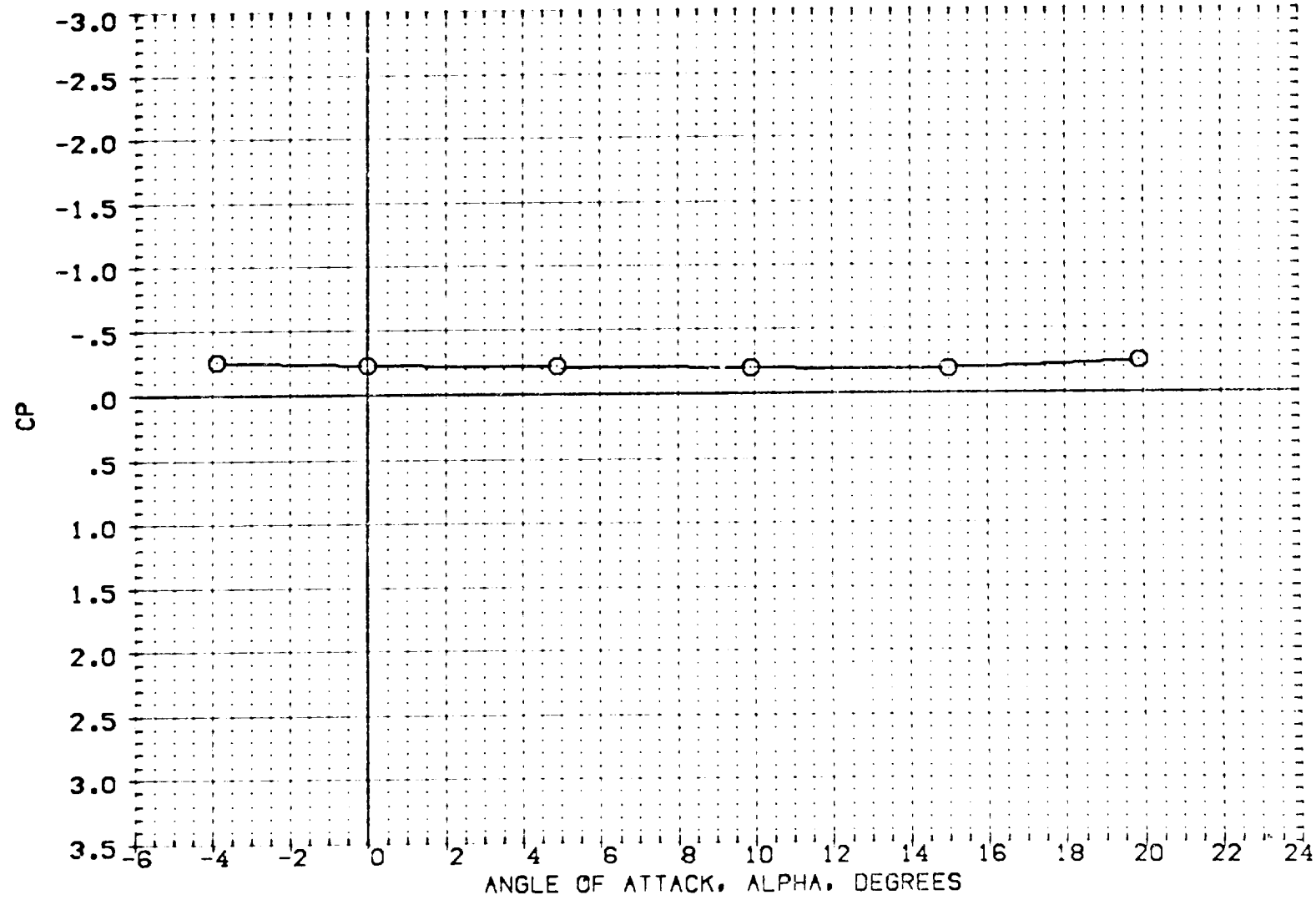


FIG 93 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT011)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.029

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BODFLAP	-18.000
MACH	.160	AILERON	.000

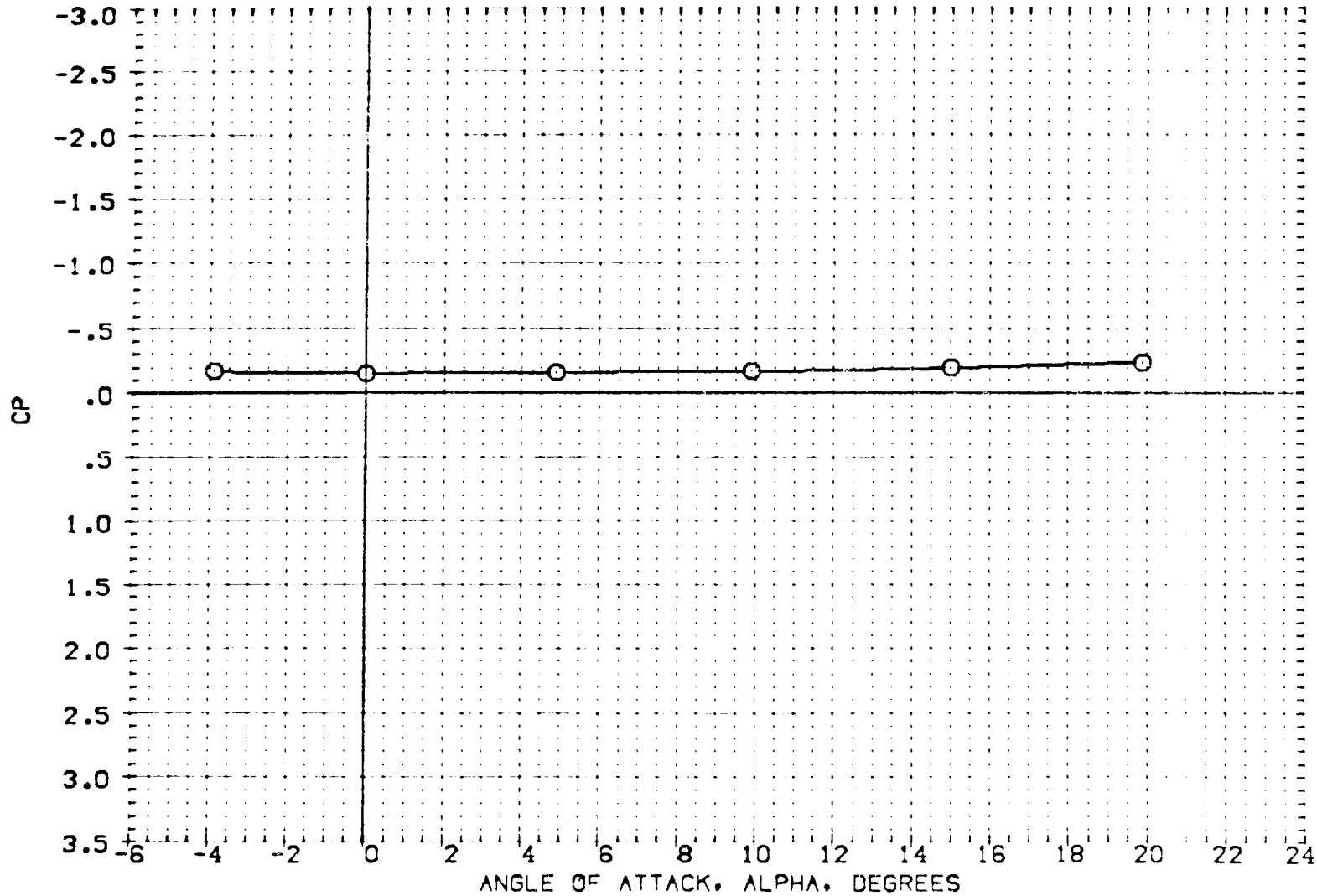


FIG 94 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 0

CA57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT011)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.248

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BODY FLAP	-18.000
MACH	.160	AILERON	.000

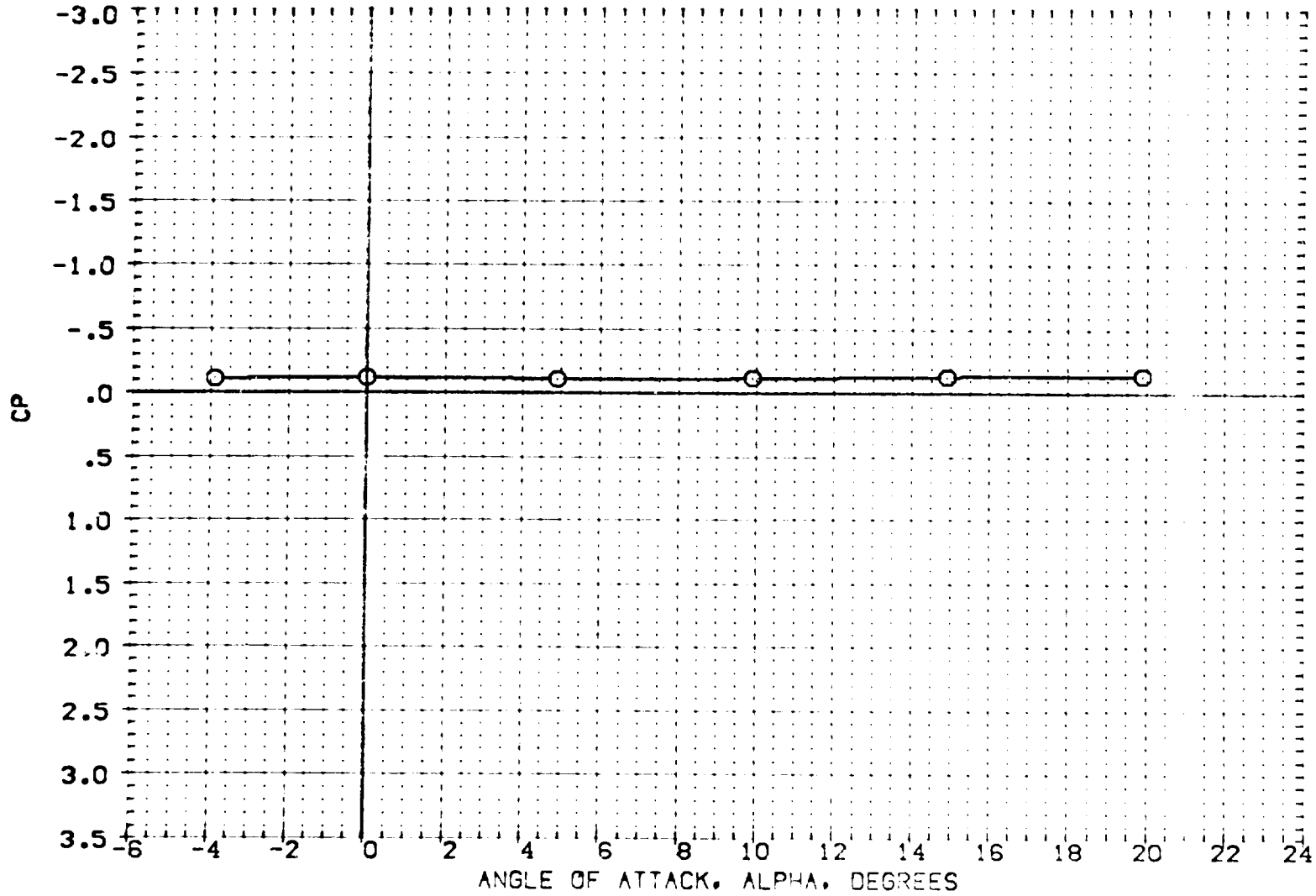


FIG 94 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT011)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.720

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

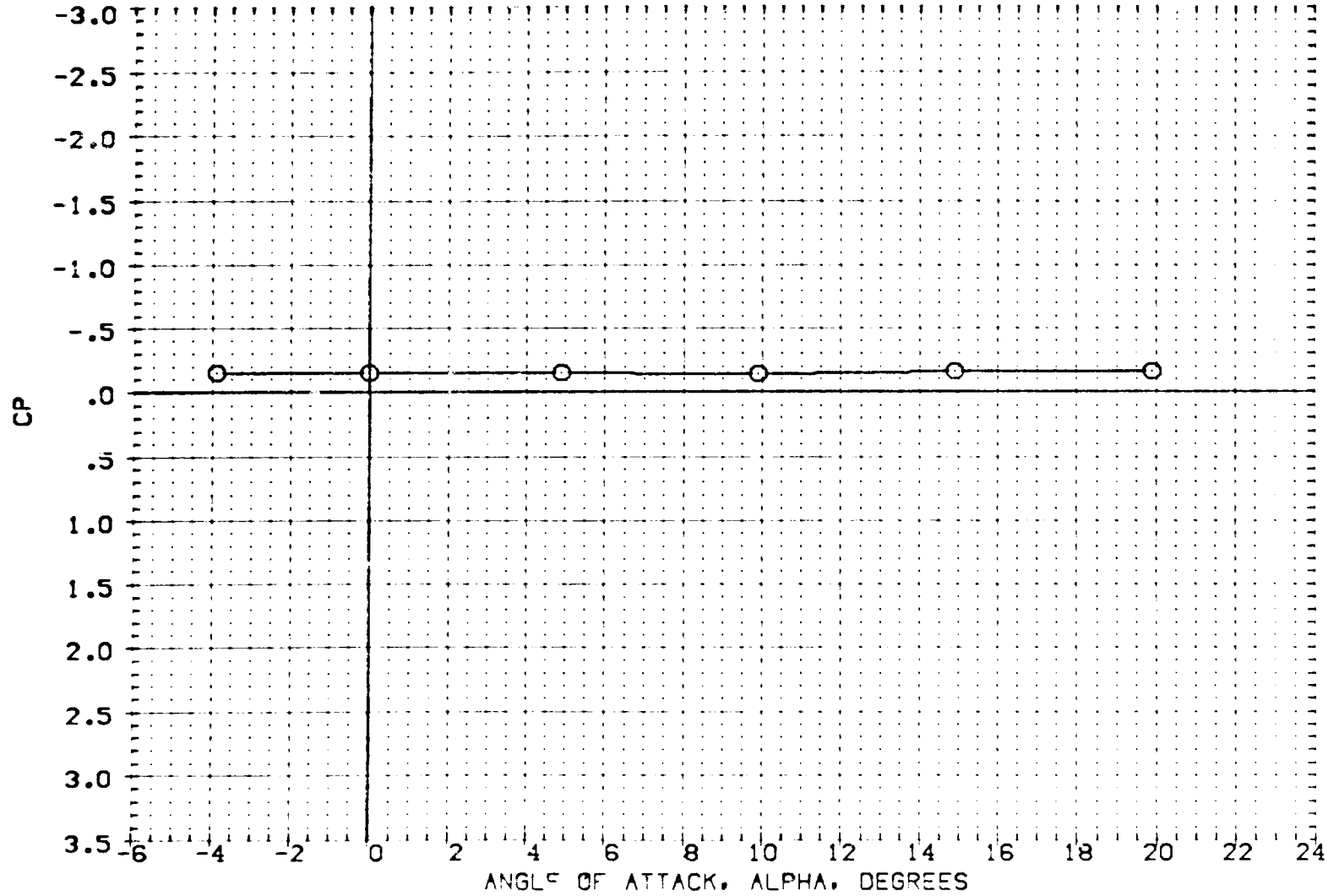


FIG 94 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT012)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.039

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BOFLAP	-10.000
MACH	.160	AILRON	.000

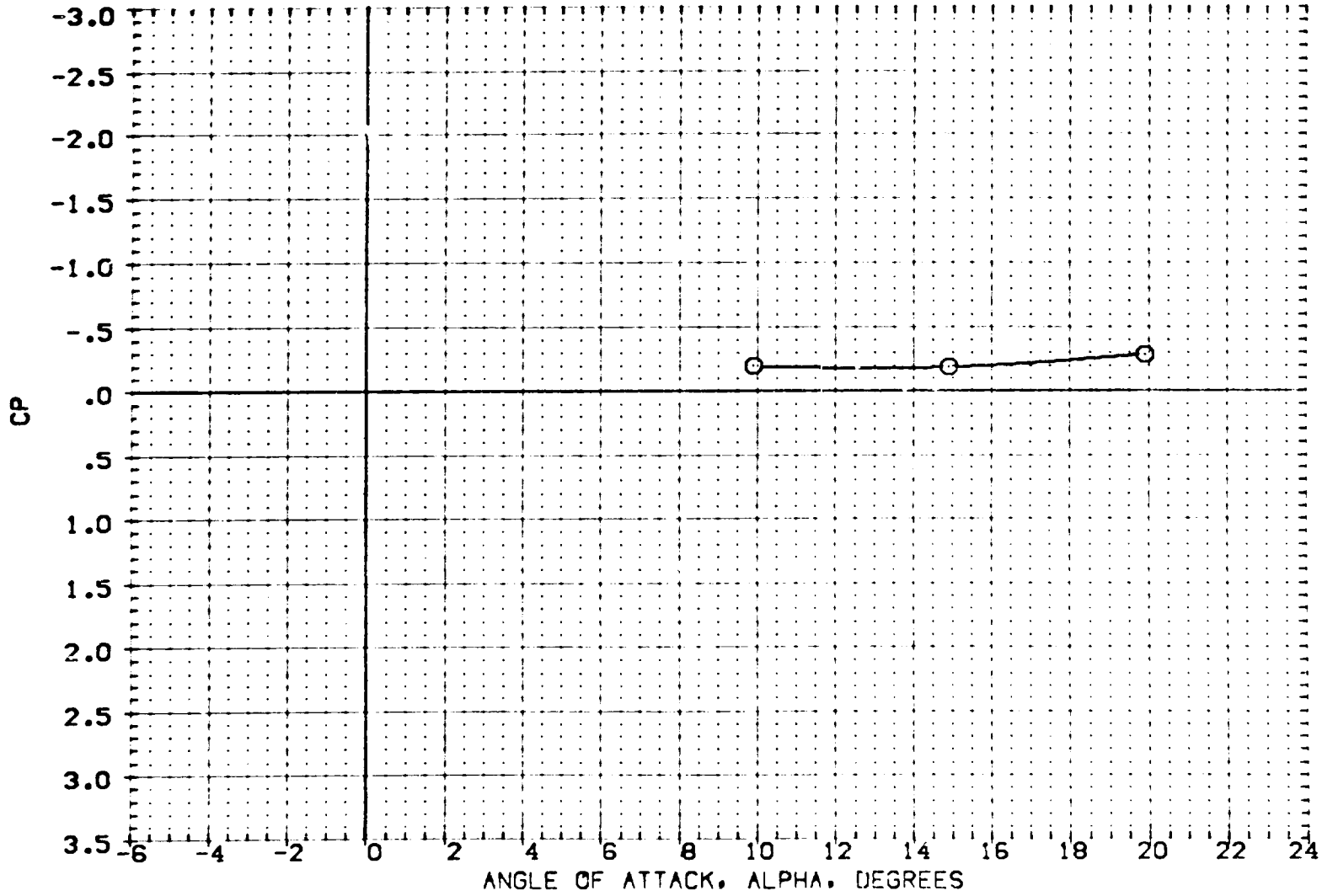


FIG 95 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 15

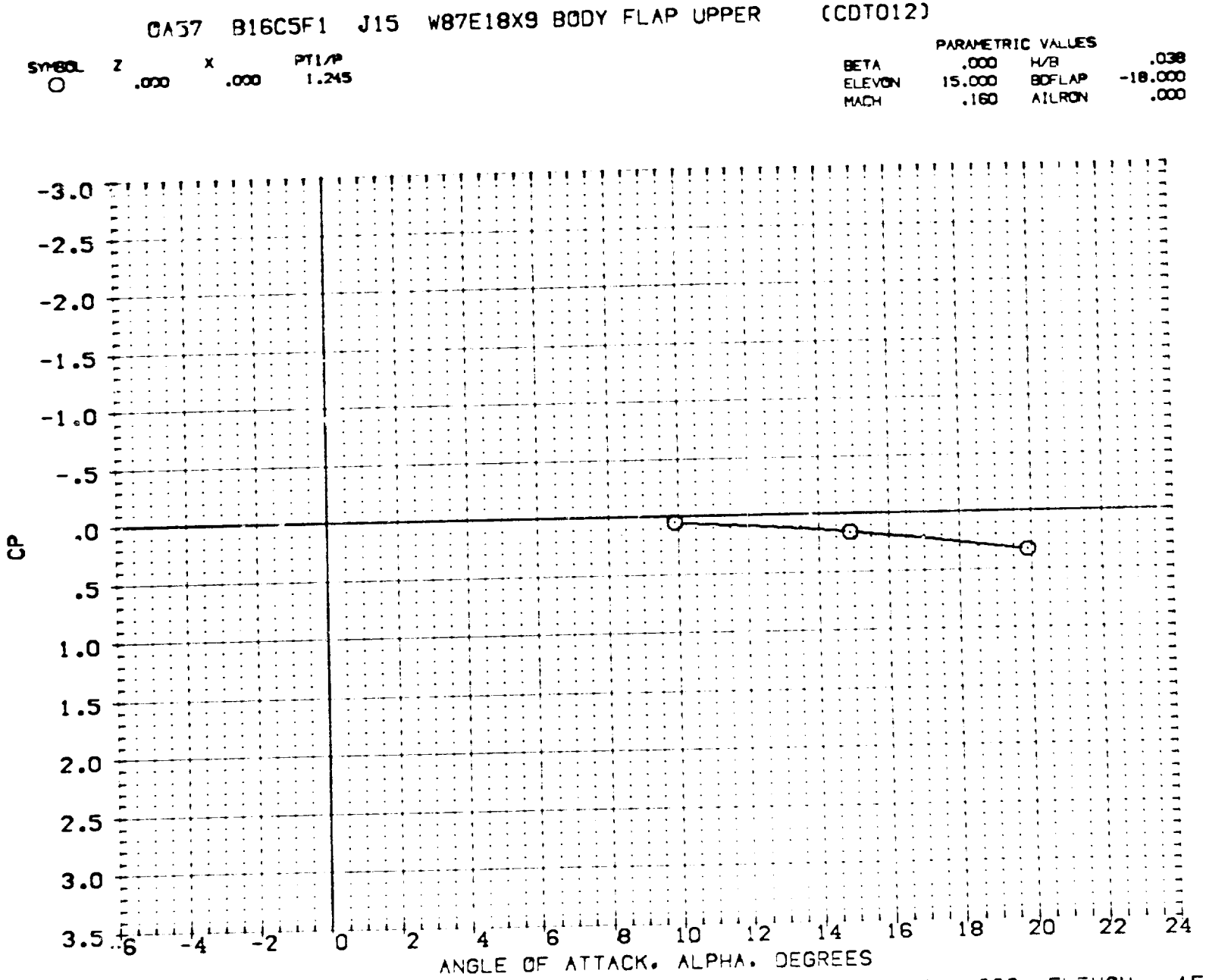


FIG 95 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT012)

SYMBOL	Z	X	PTi/P
O	.000	.000	1.634

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

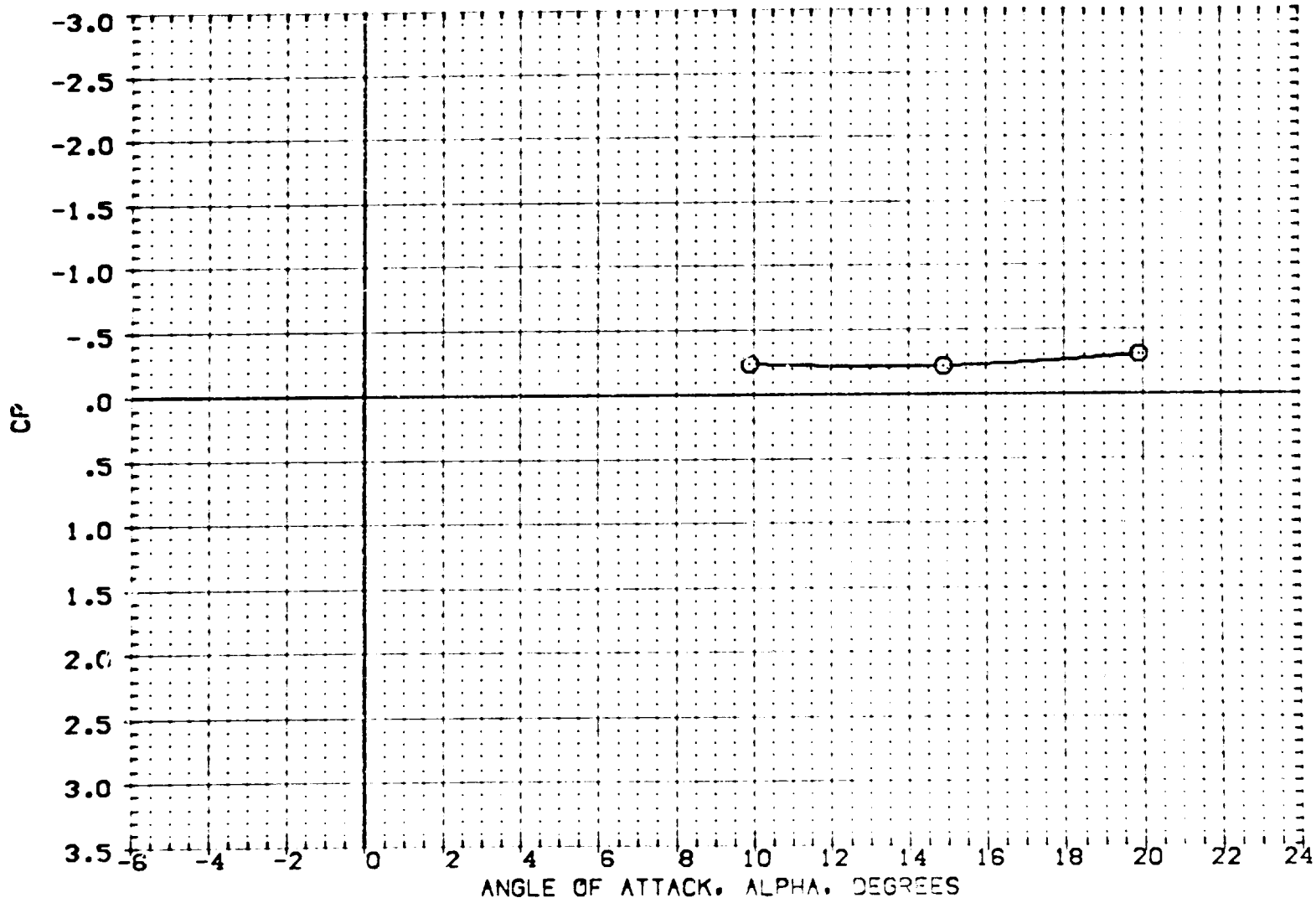


FIG 95 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT013)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.027

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

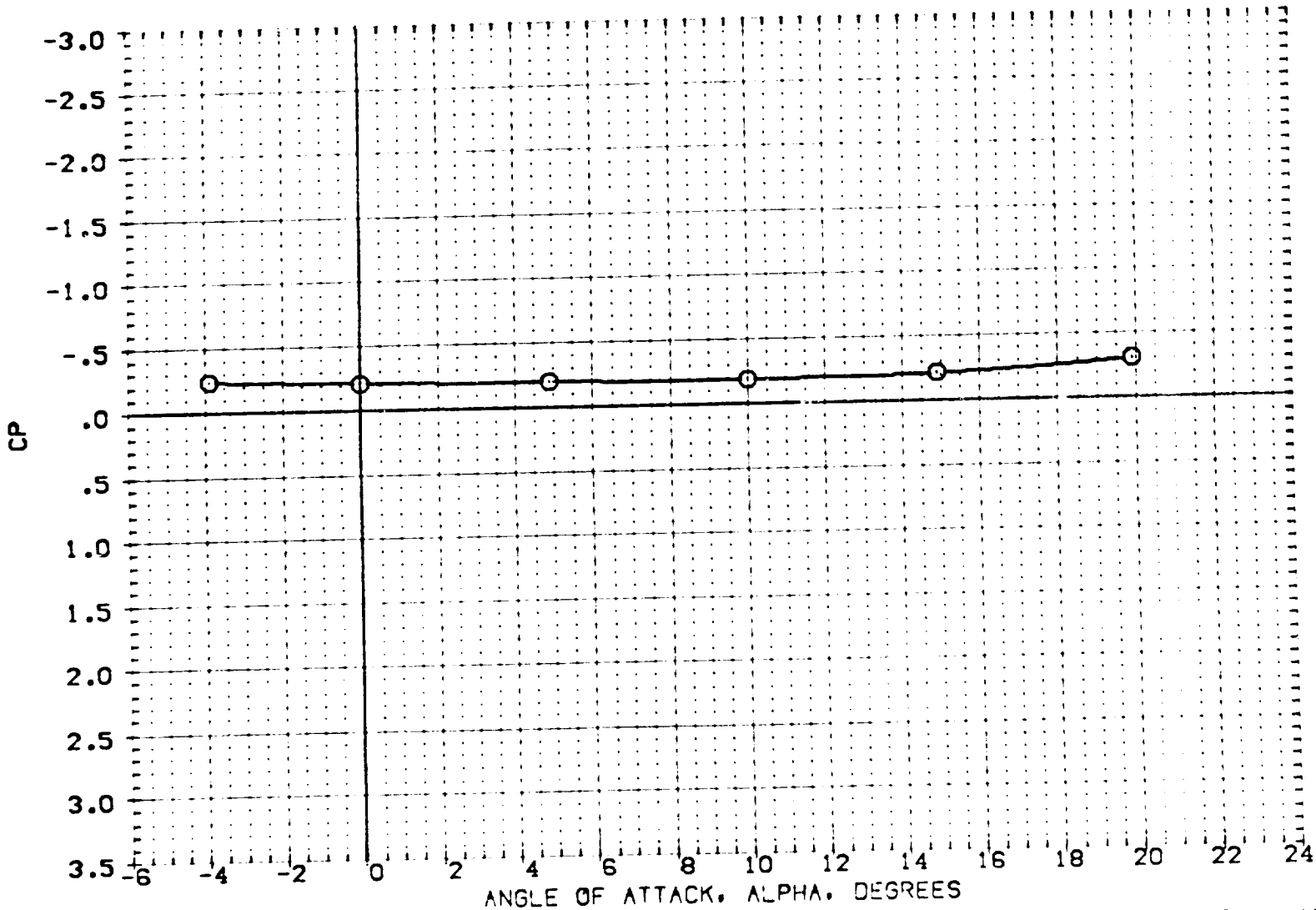


FIG 96 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT013)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.235

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

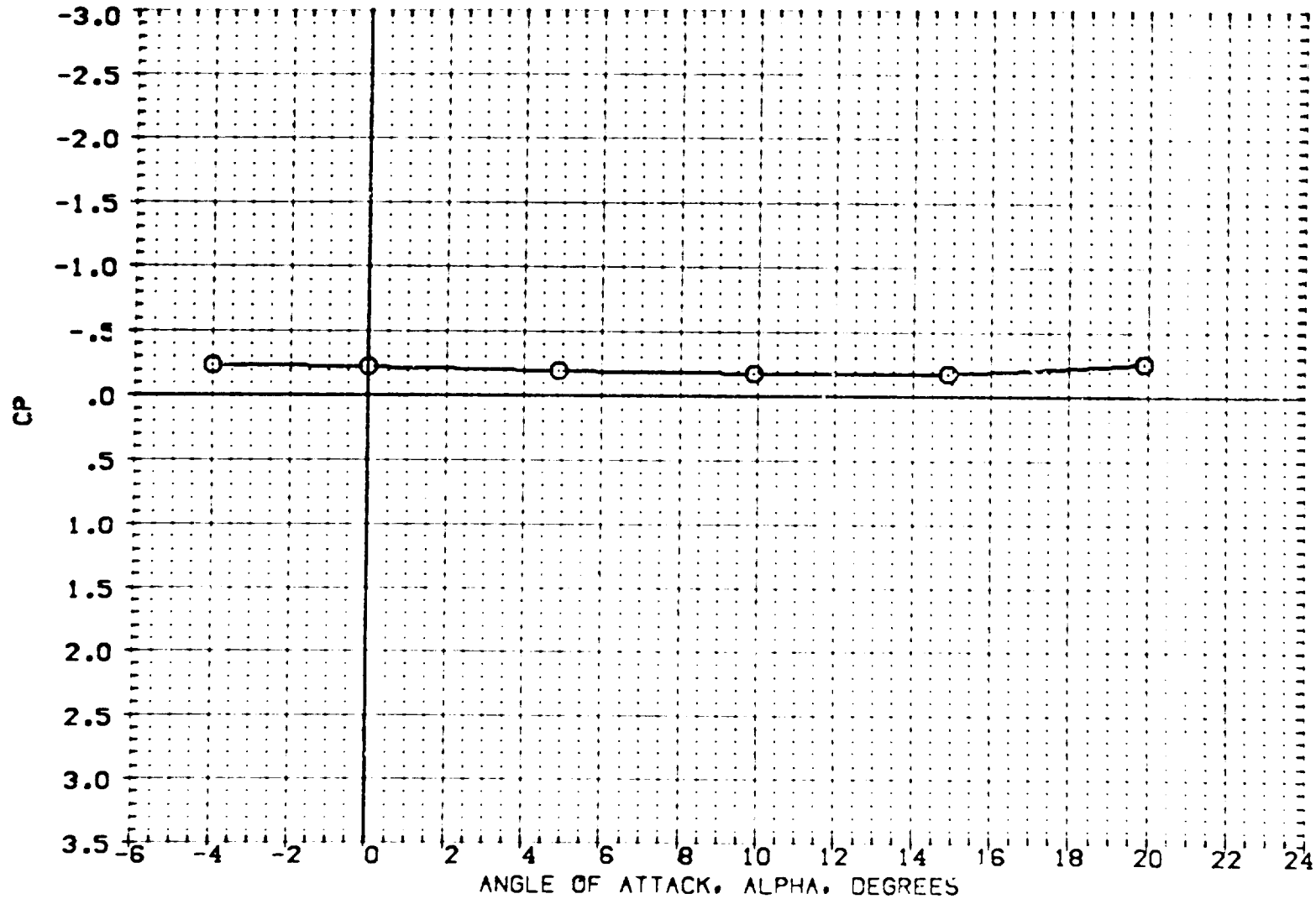


FIG 96 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 E EVON = 15

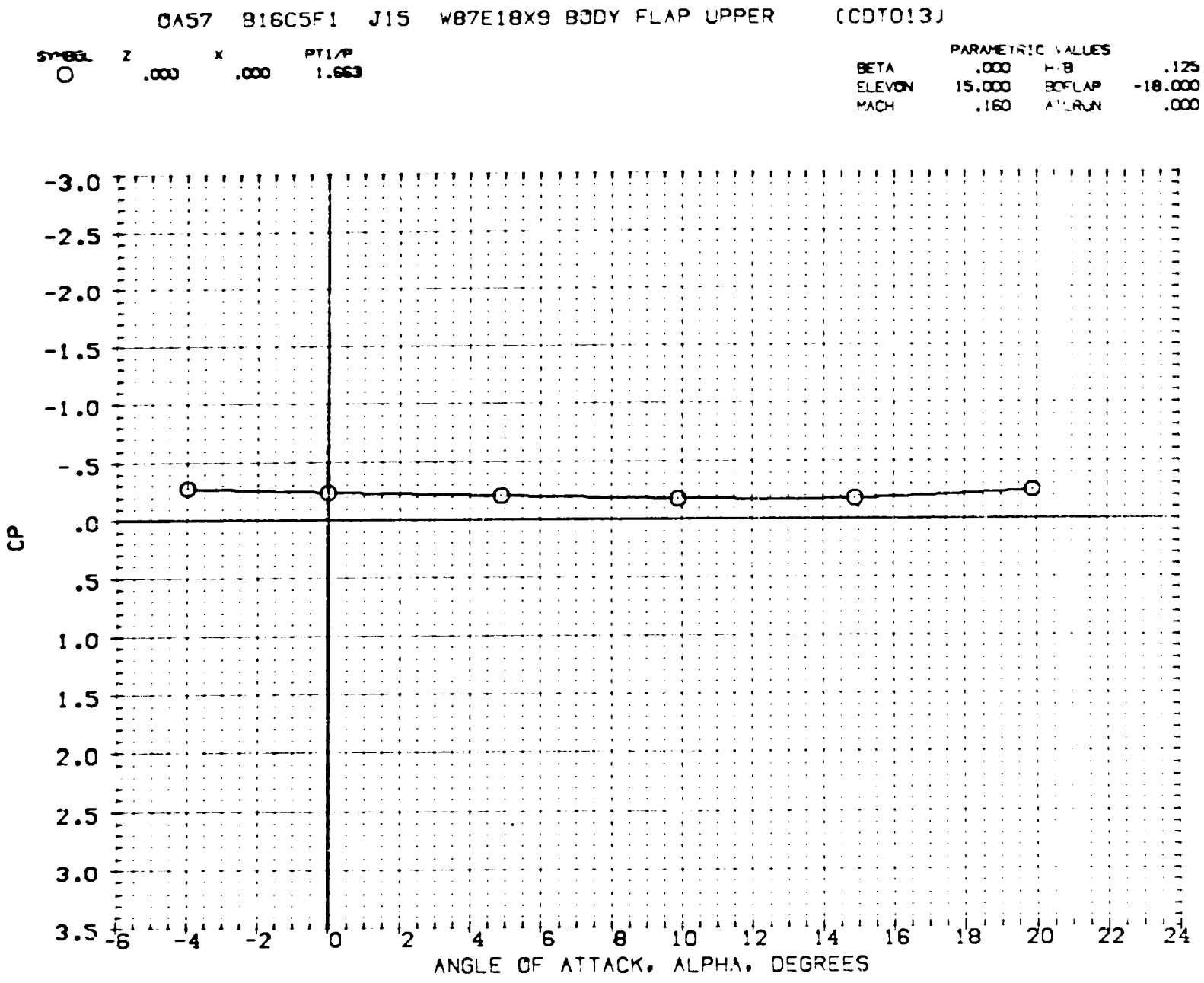


FIG 96 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT014)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.031

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

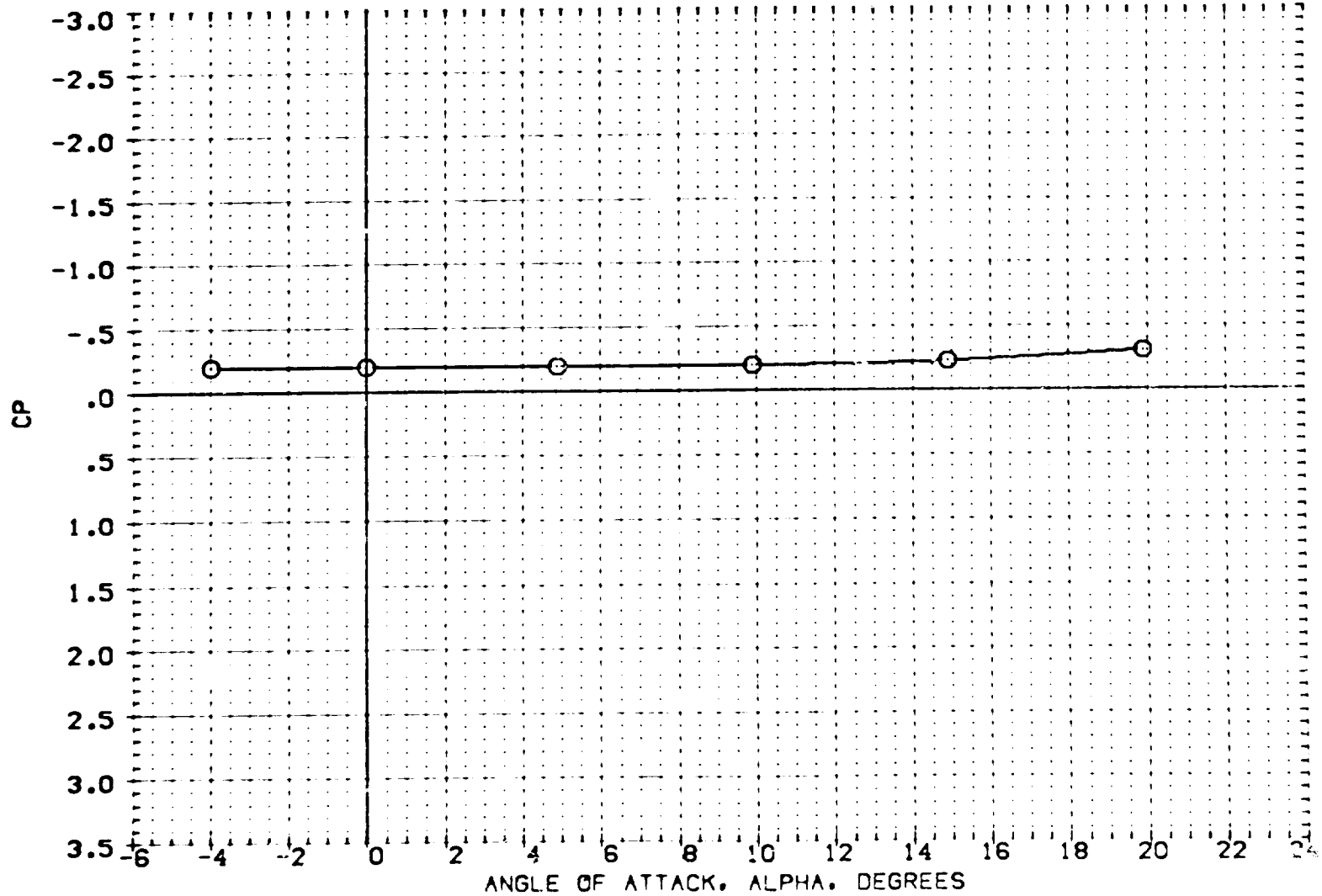


FIG 97 BODY FLAP UPPER SURFACE PRESS 'AR WITH ALPHA J15 H/B= .286 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT014)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.246

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

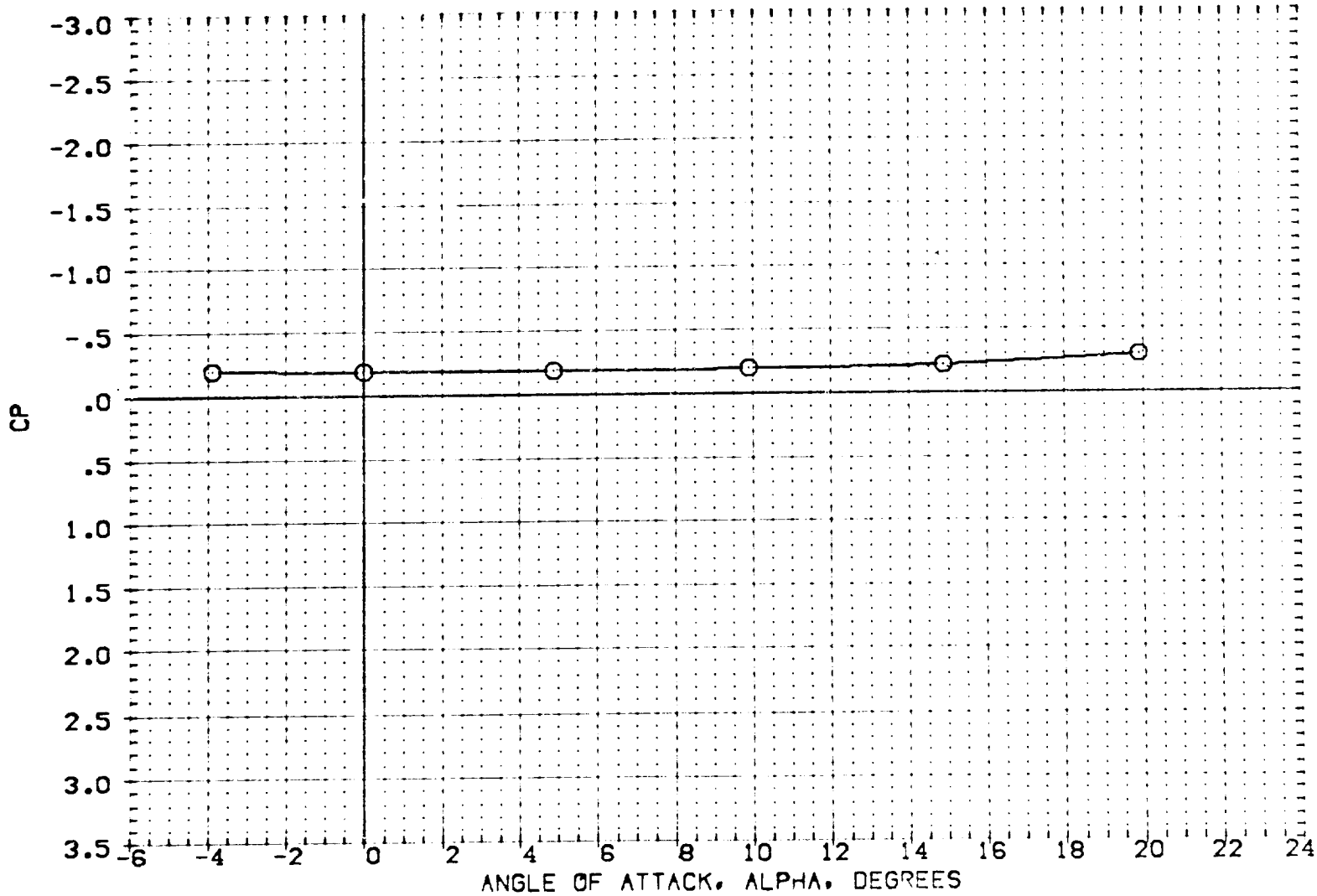


FIG 97 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT014)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.666

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

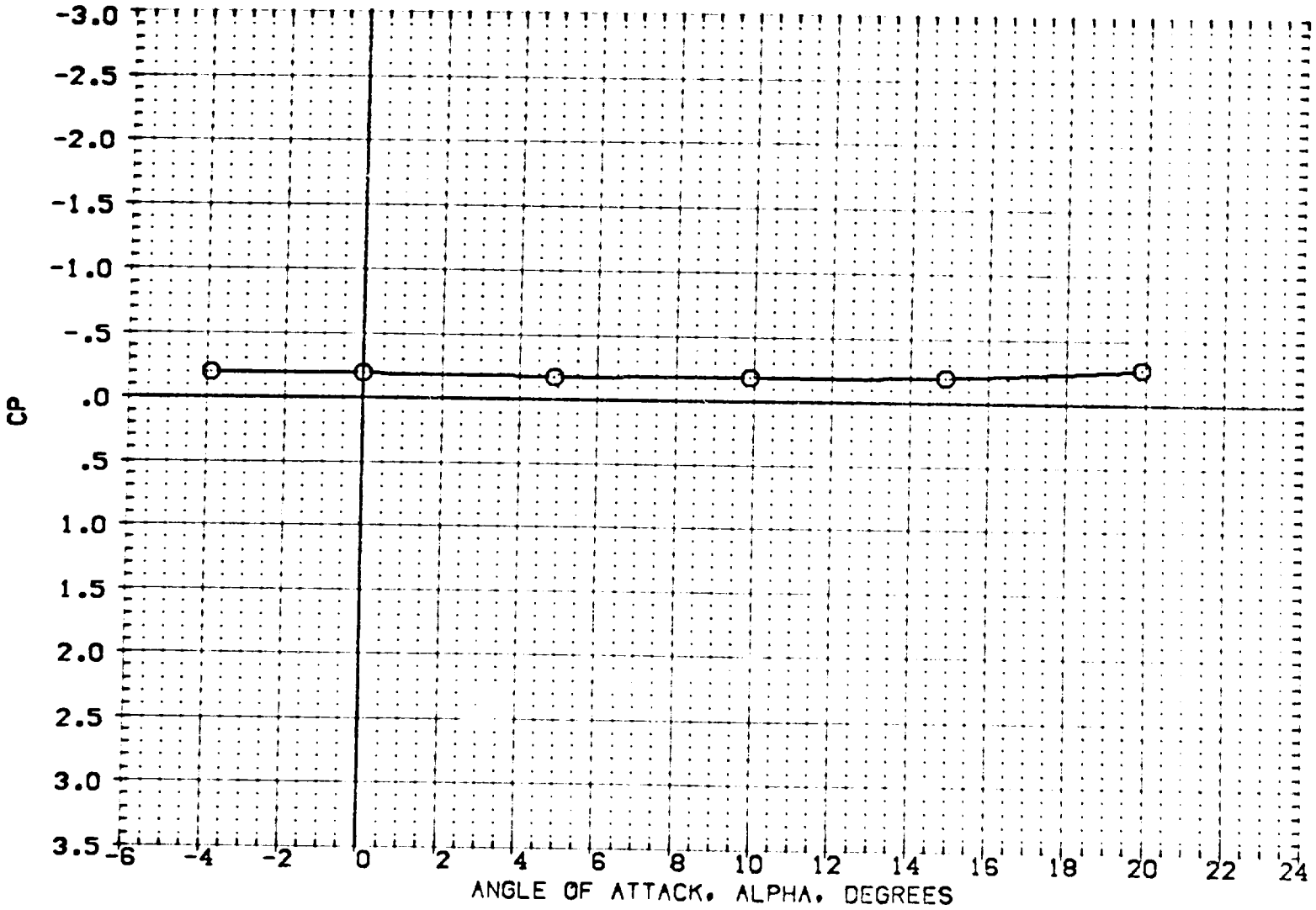


FIG 97 BODY FLAP UPPER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT001)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.046

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BDFLAP	-18.000
MACH	.100	AILRON	.000

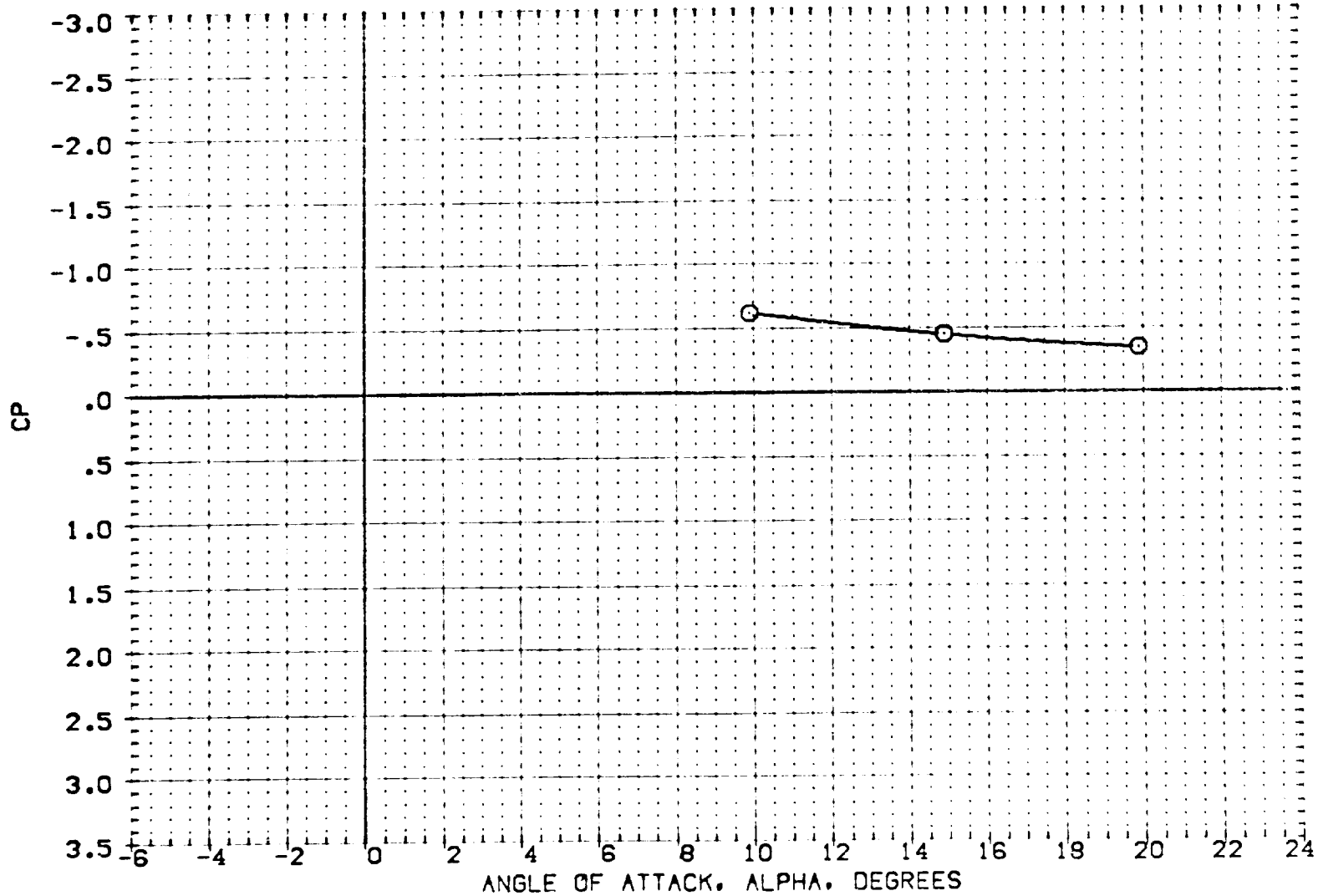


FIG 98 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 0

CA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT001)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.560

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

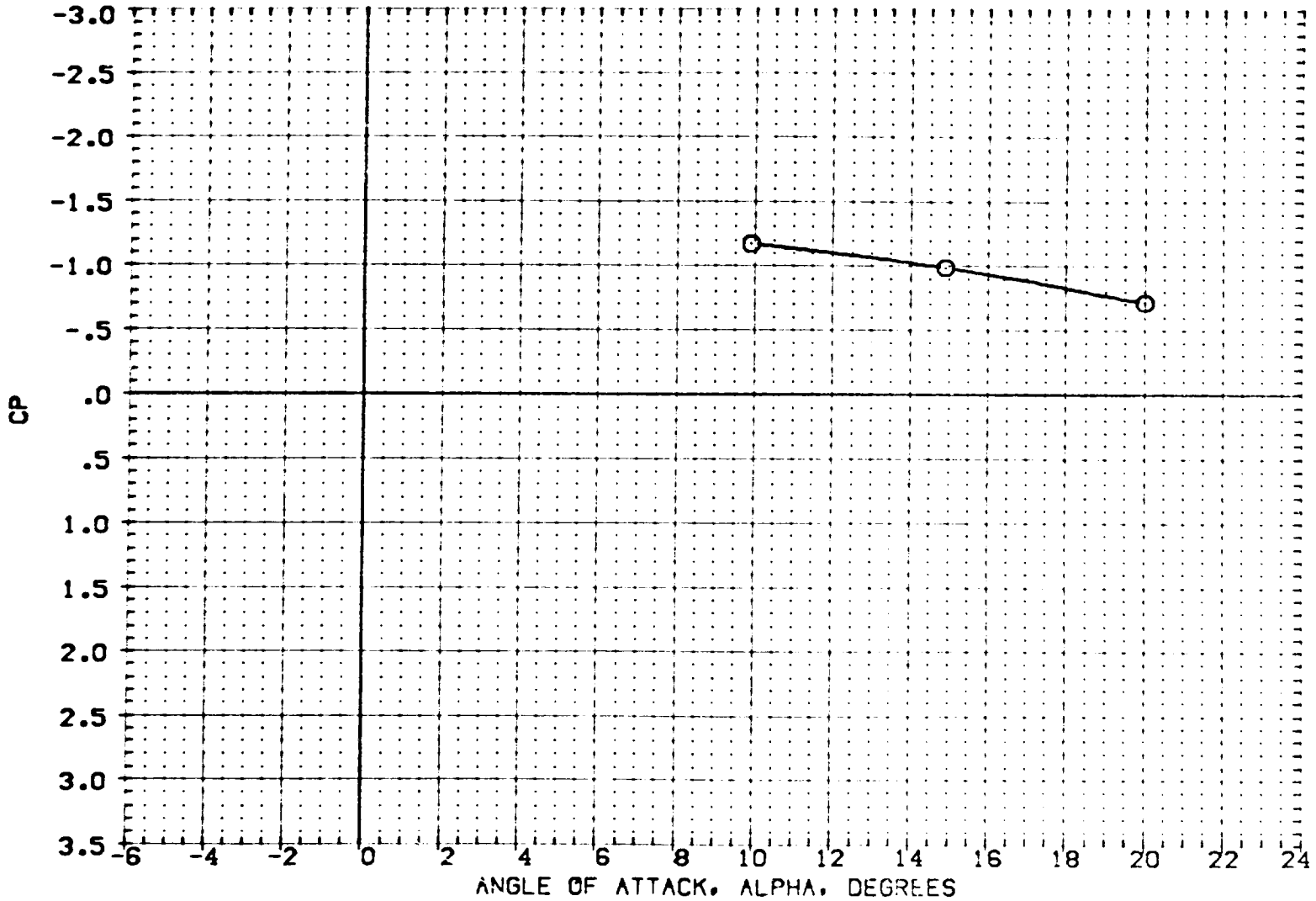


FIG 98 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT001)

SYMBOL	Z	X	PTI/P
O	.000	.000	2.124

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

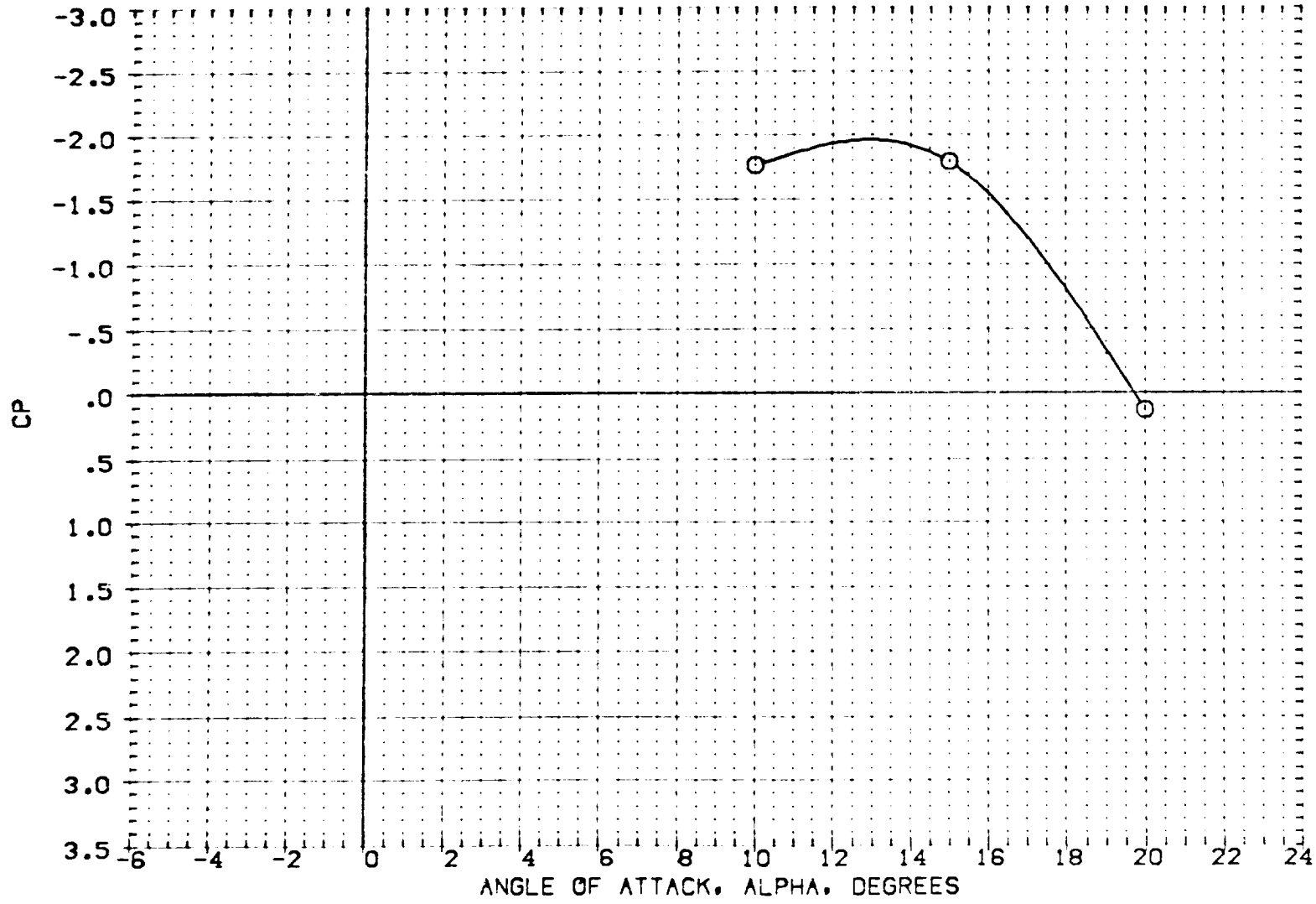


FIG 98 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT002)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.030

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

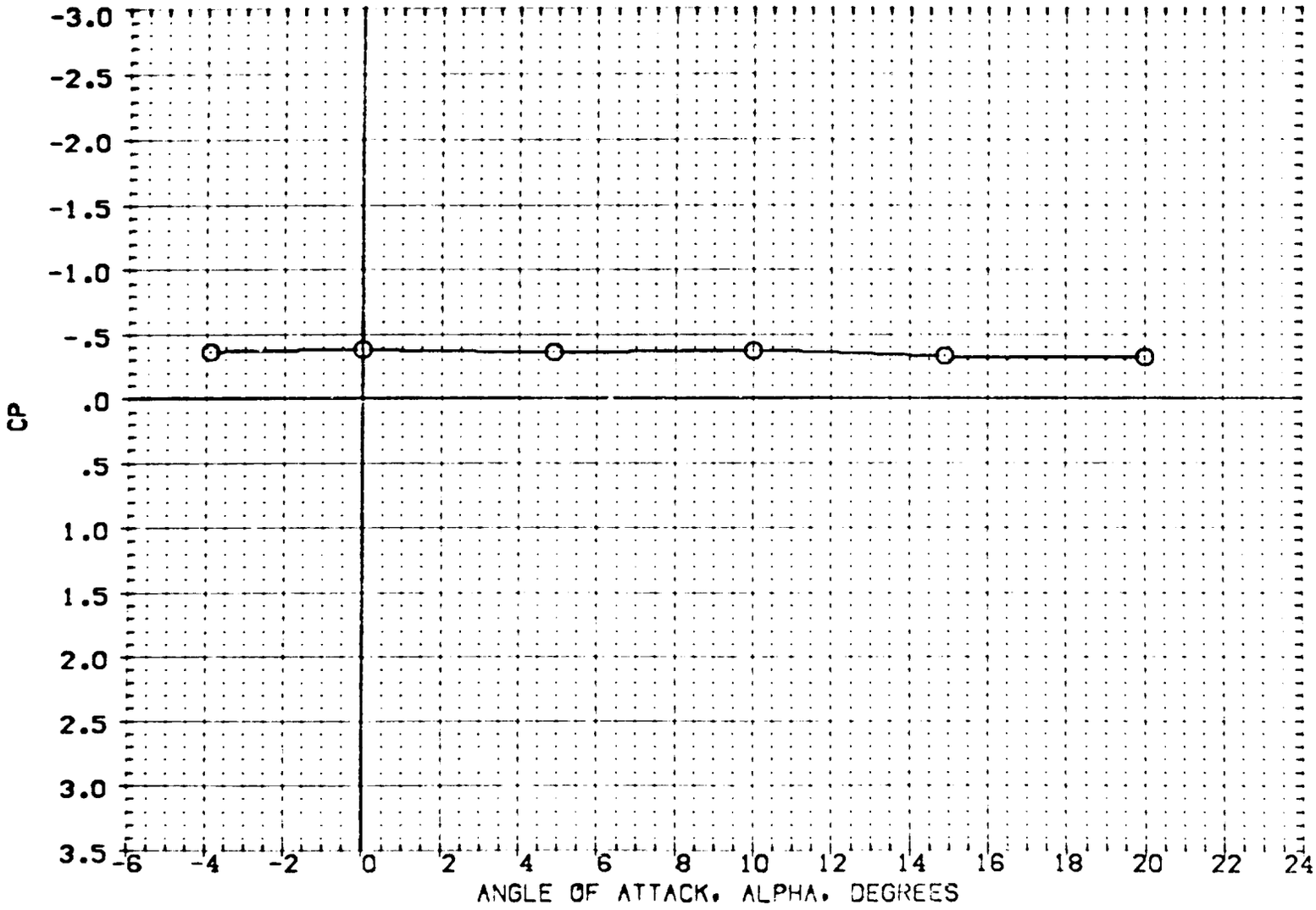


FIG 99 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT002)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.552

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

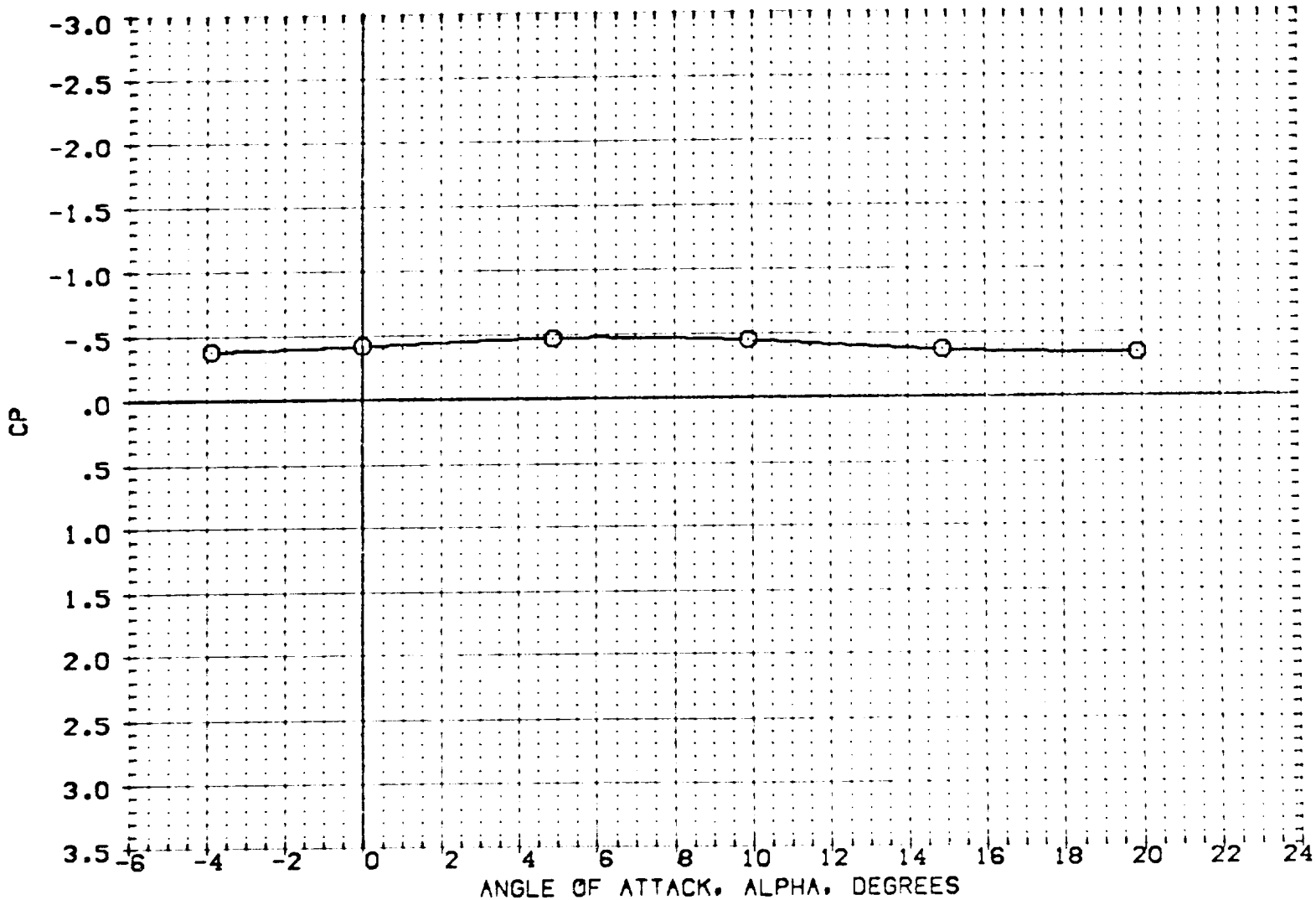


FIG 99 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT002)

SYMBOL	Z	X	PT1/P
○	.000	.000	2.144

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

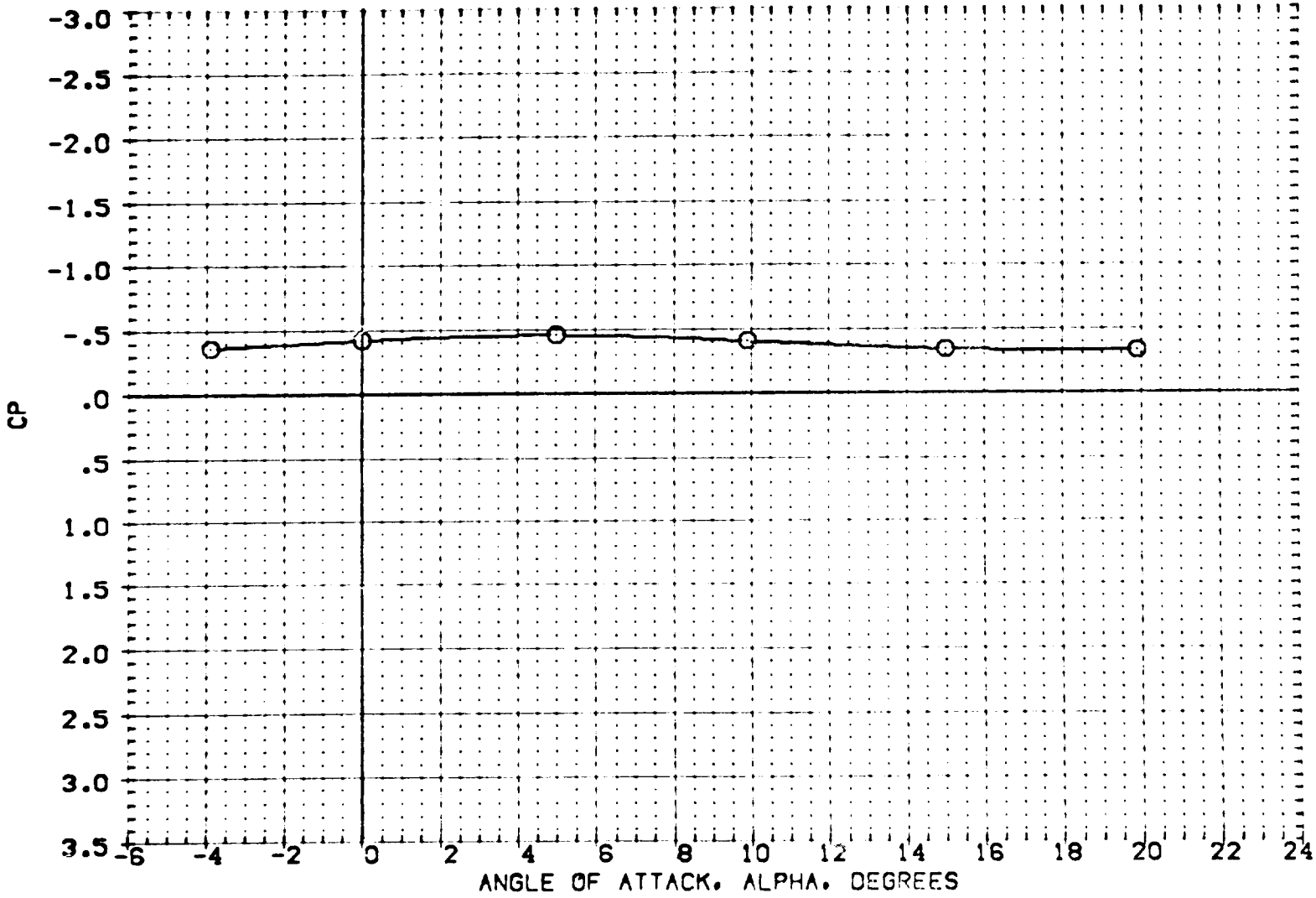


FIG 99 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT003)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.035

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

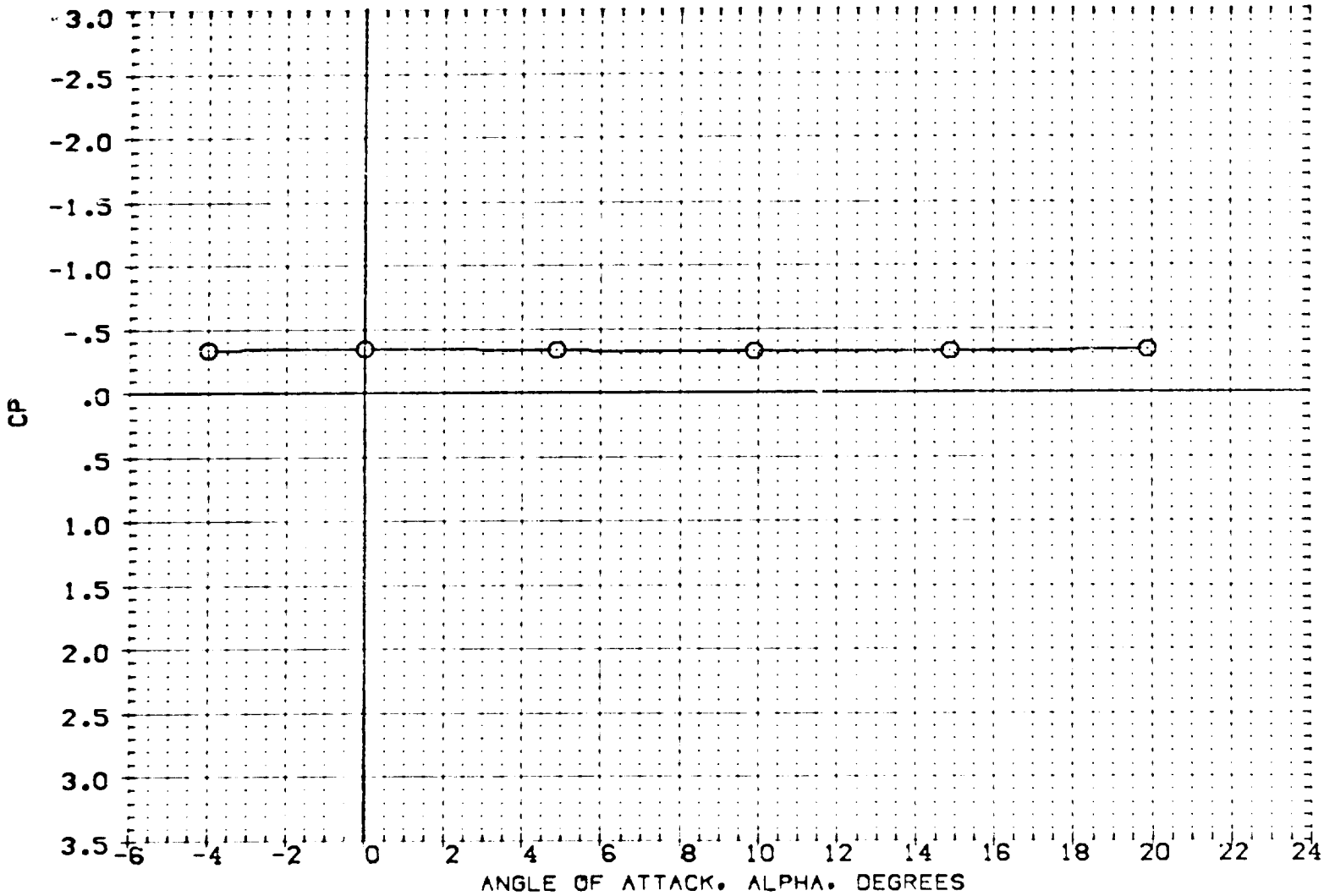


FIG 100 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT003)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.317

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILERON	.000

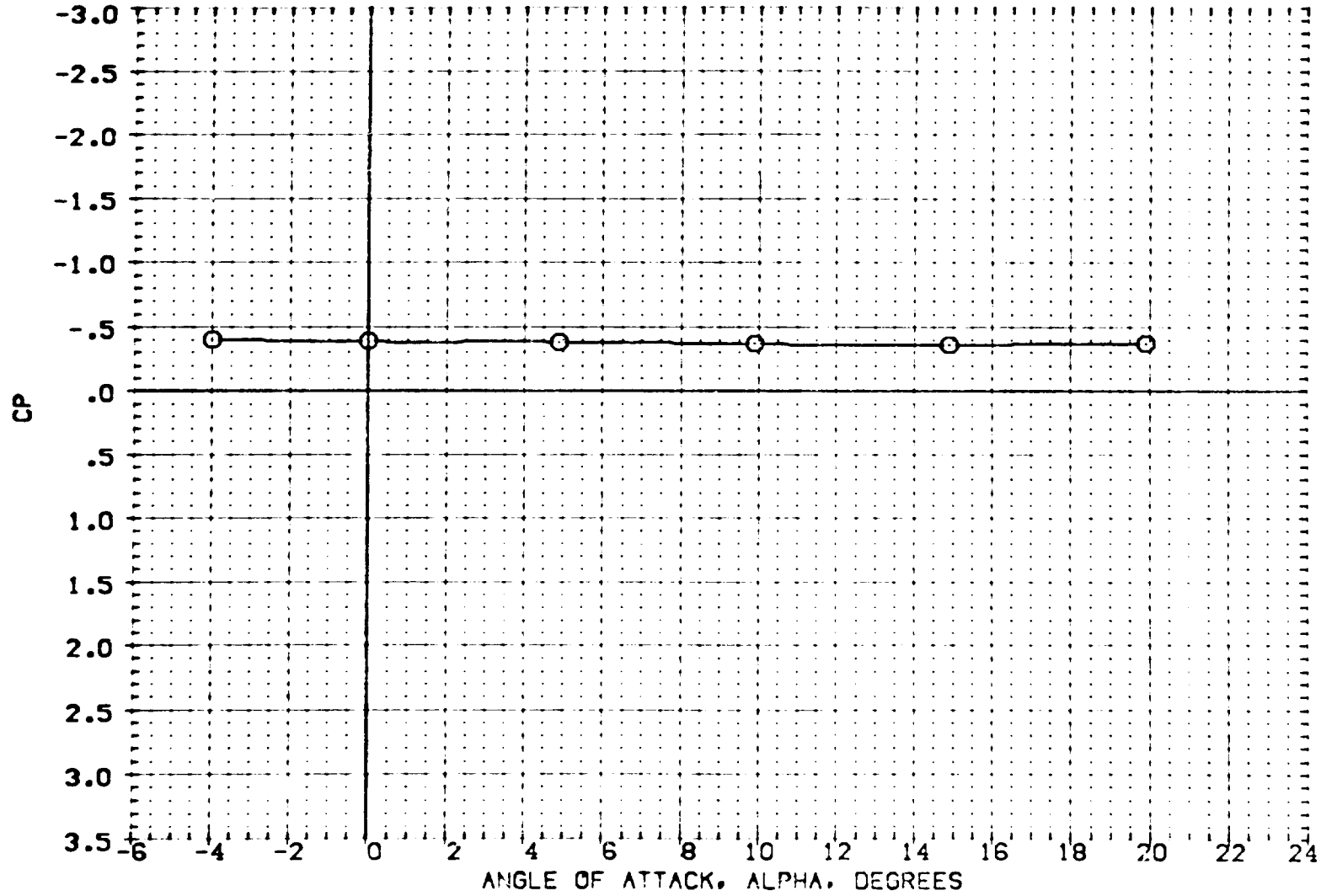


FIG 100 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 0

0A57 316C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT003)

SYMBOL	Z	X	PT1/P
○	.000	.000	2.087

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

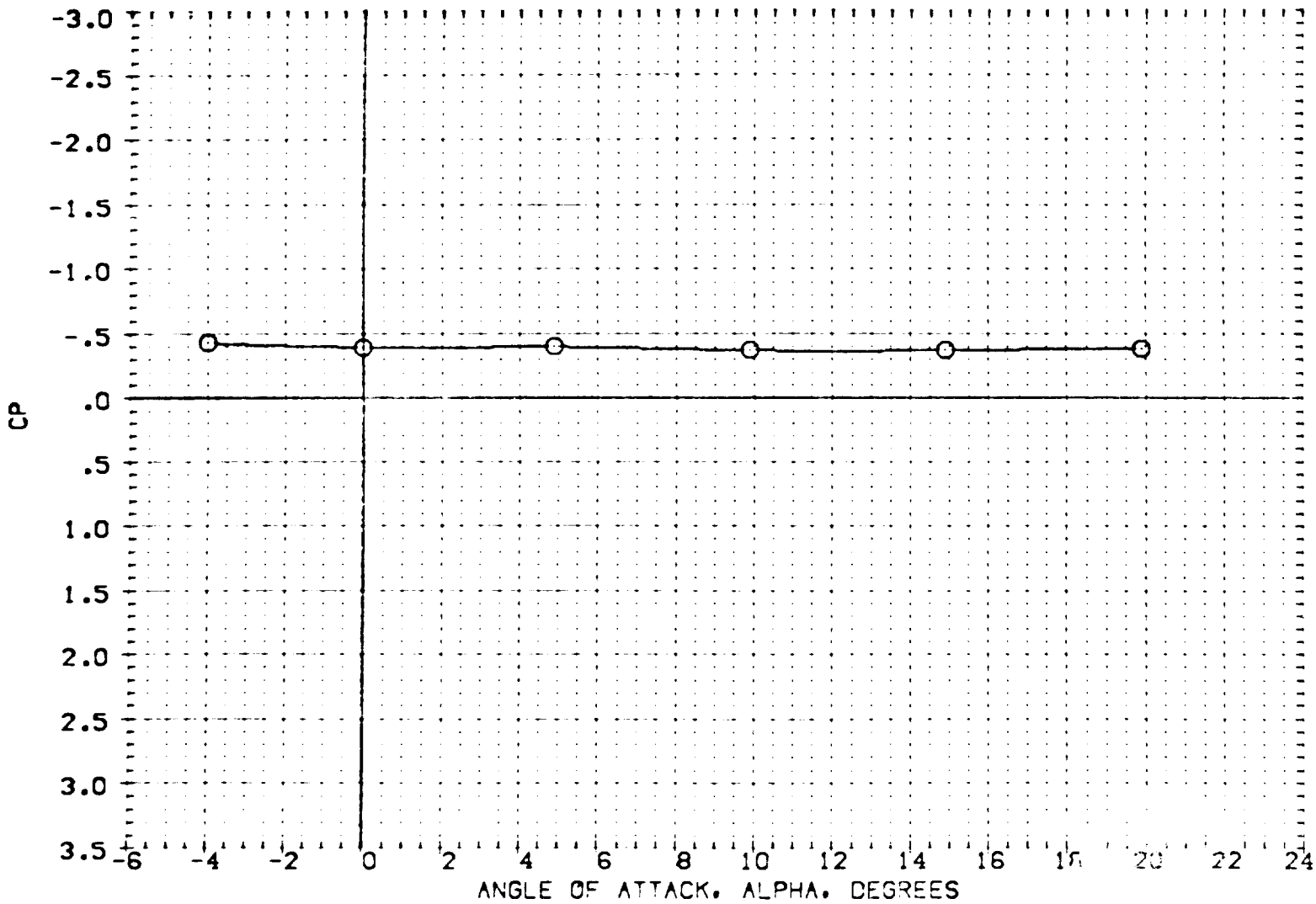


FIG 100 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .28[illegible] ELEVON = 0

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT004)

SYMBOL	Z	X	PT/P
O	.000	.000	1.000

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BOFLAP	-10.000
MACH	.160	AILRON	.000

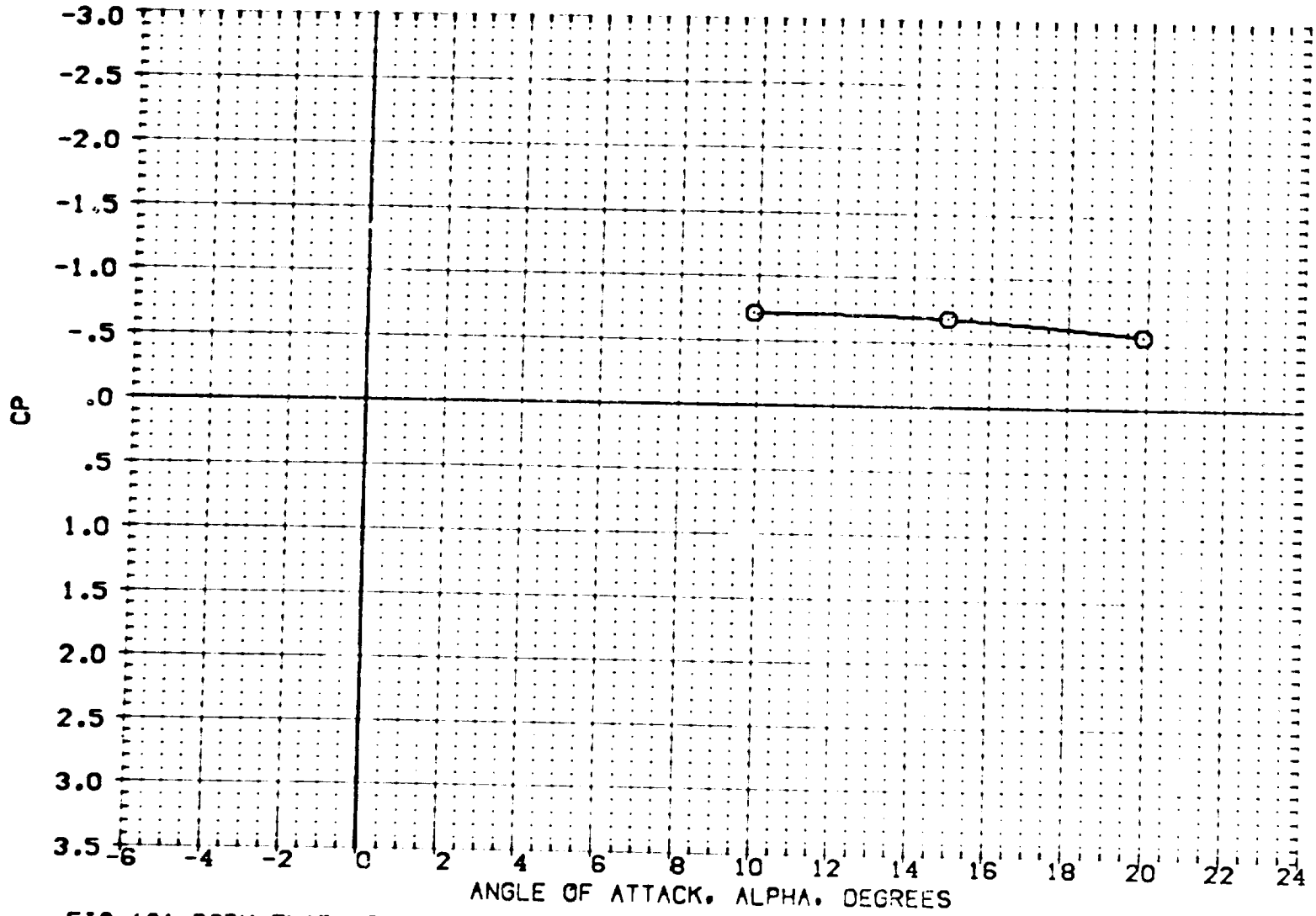


FIG 101 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 15

CA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT004)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.547

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

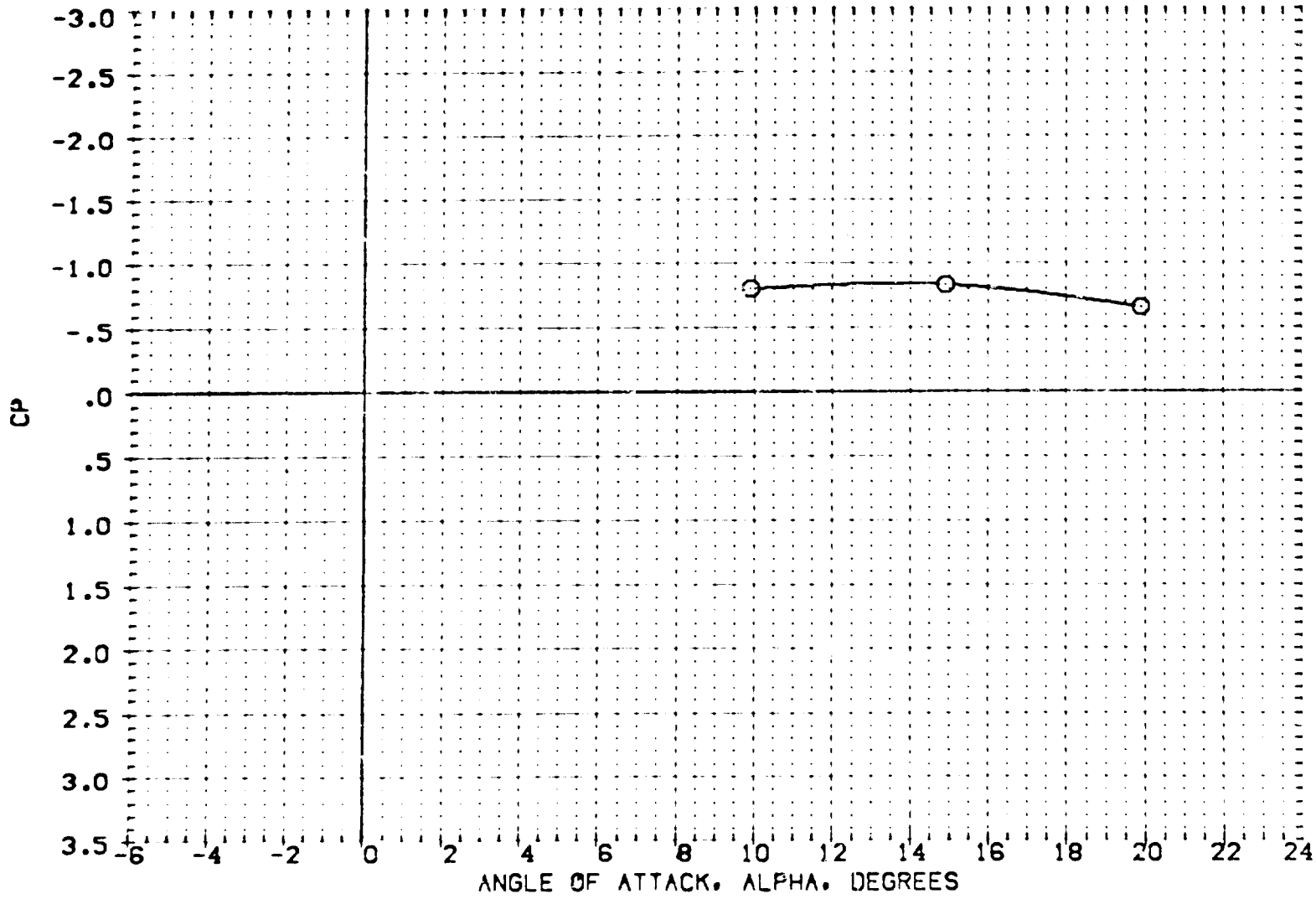


FIG 101 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT004)

SYMBOL	Z	X	PT1/P
○	.000	.000	2.144

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

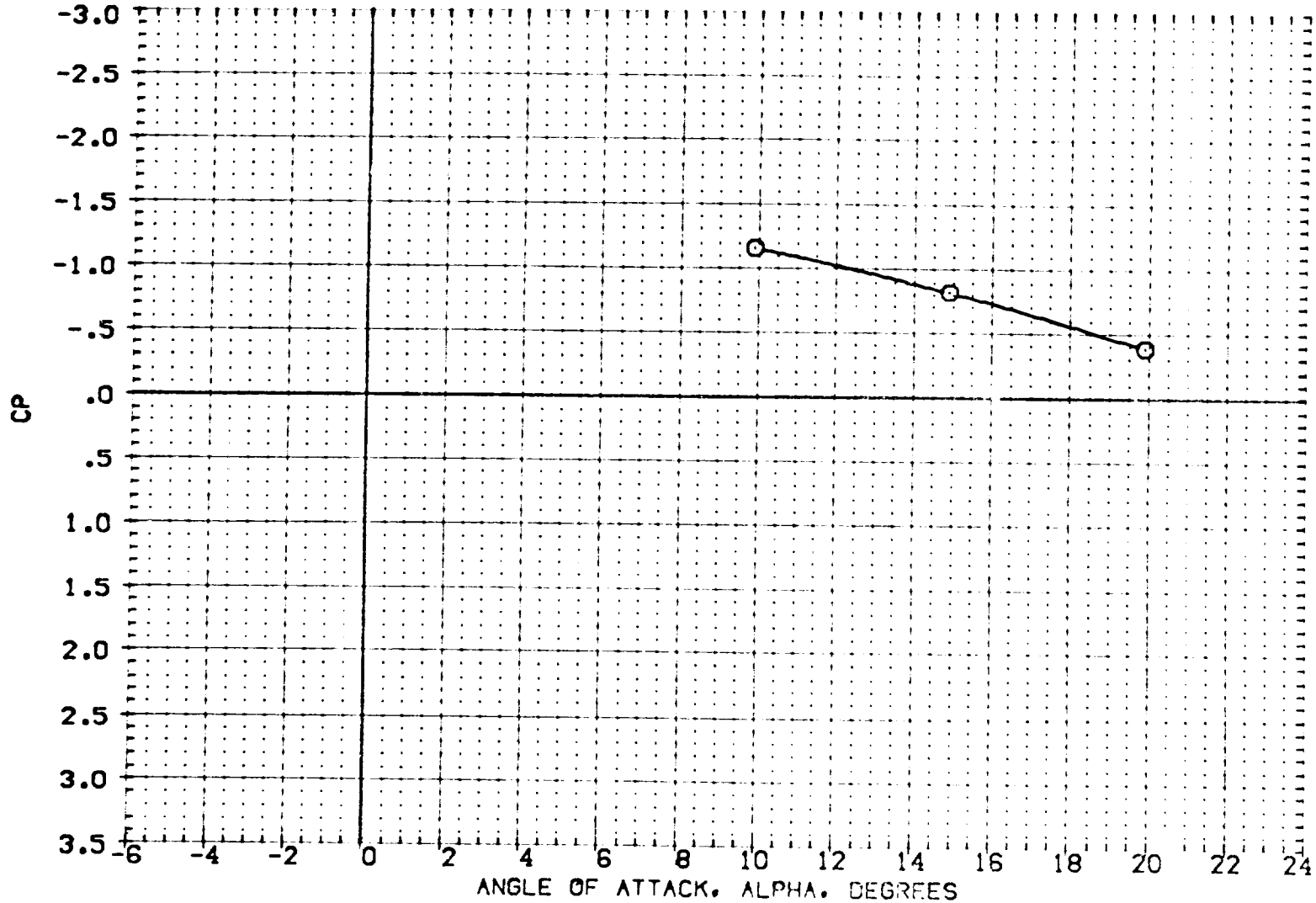


FIG 101 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT005)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.036

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

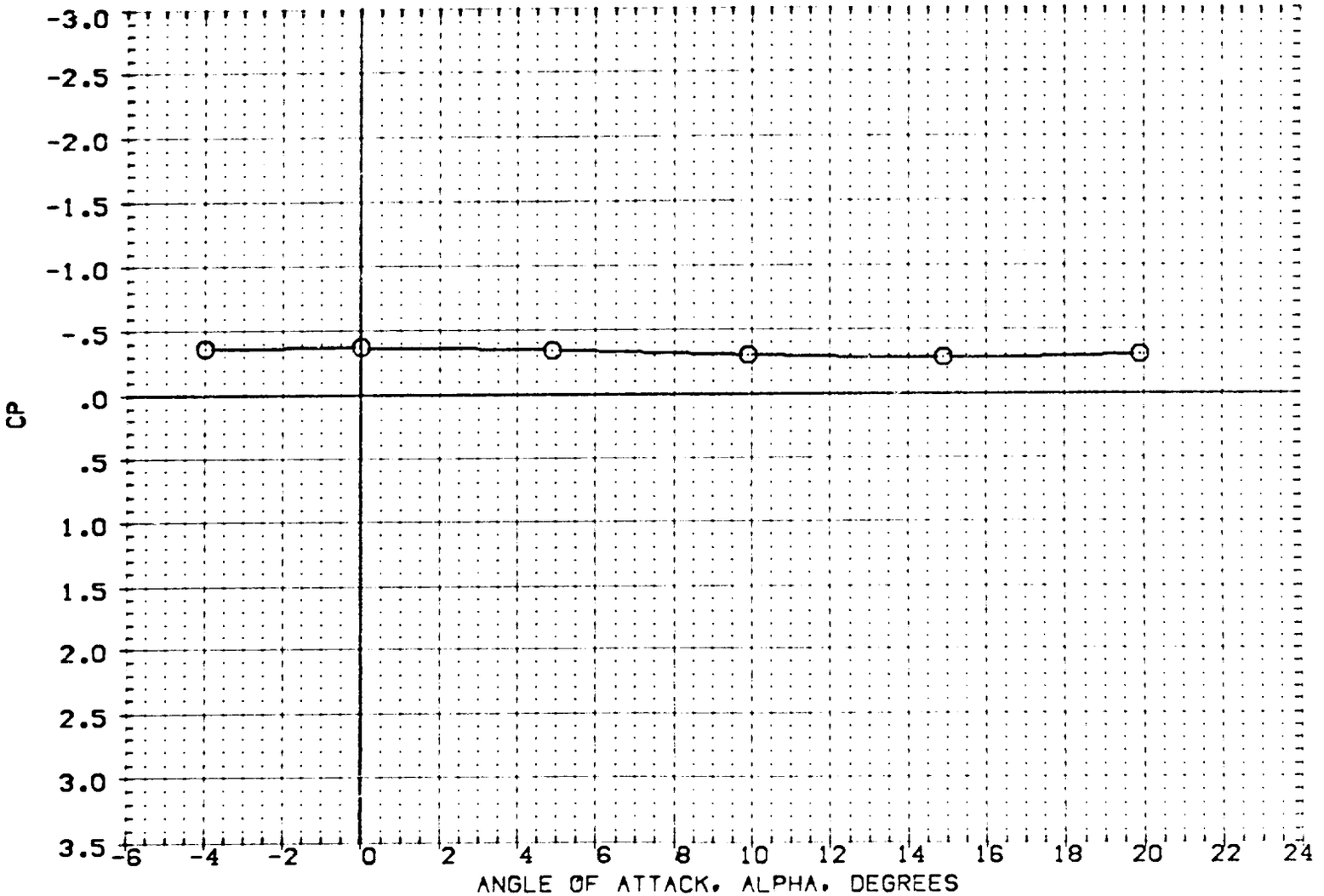


FIG 102 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 15

OA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT005)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.548

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

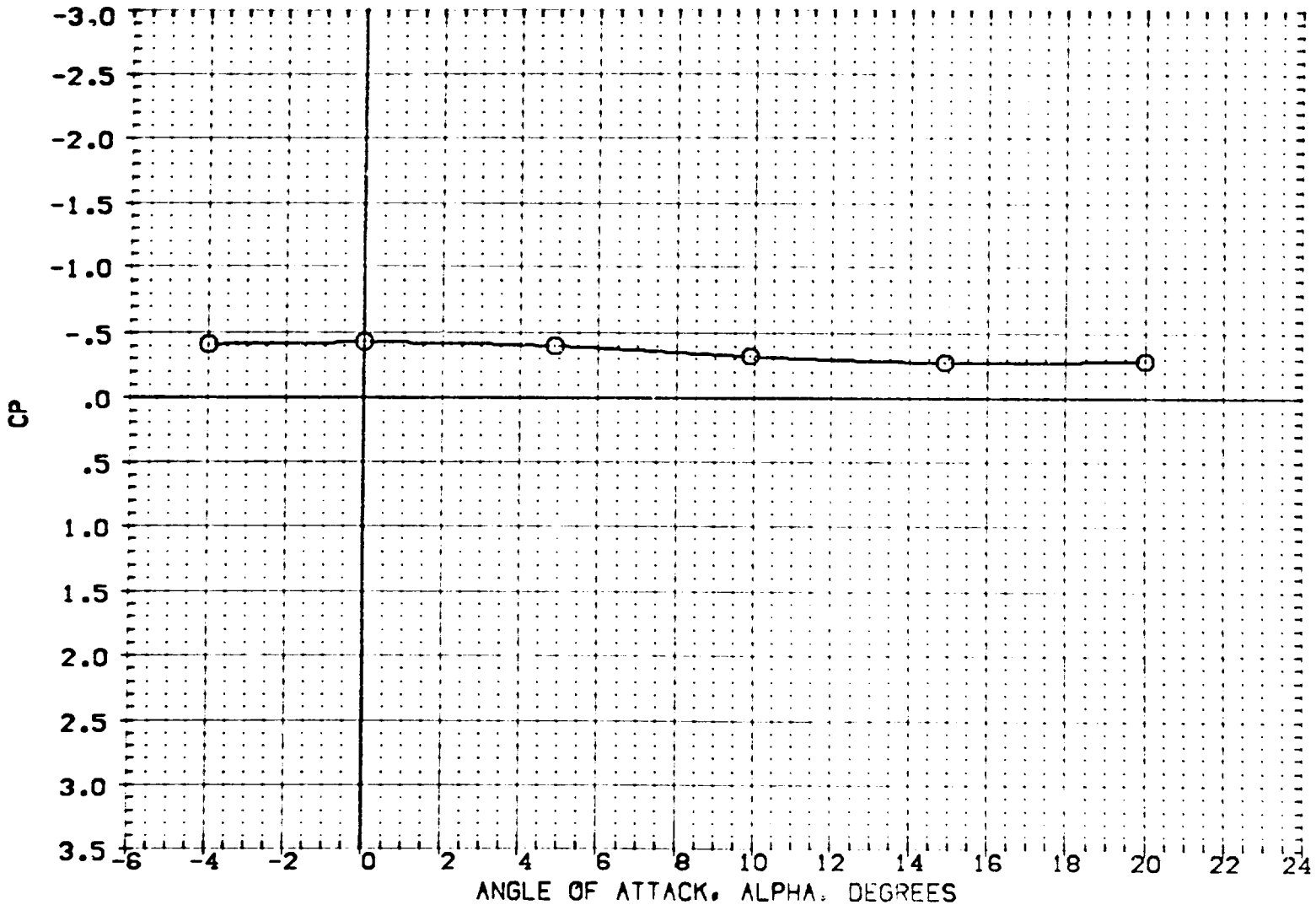


FIG 102 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT005)

SYMBOL	Z	X	PTI/P
○	.000	.000	2.053

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

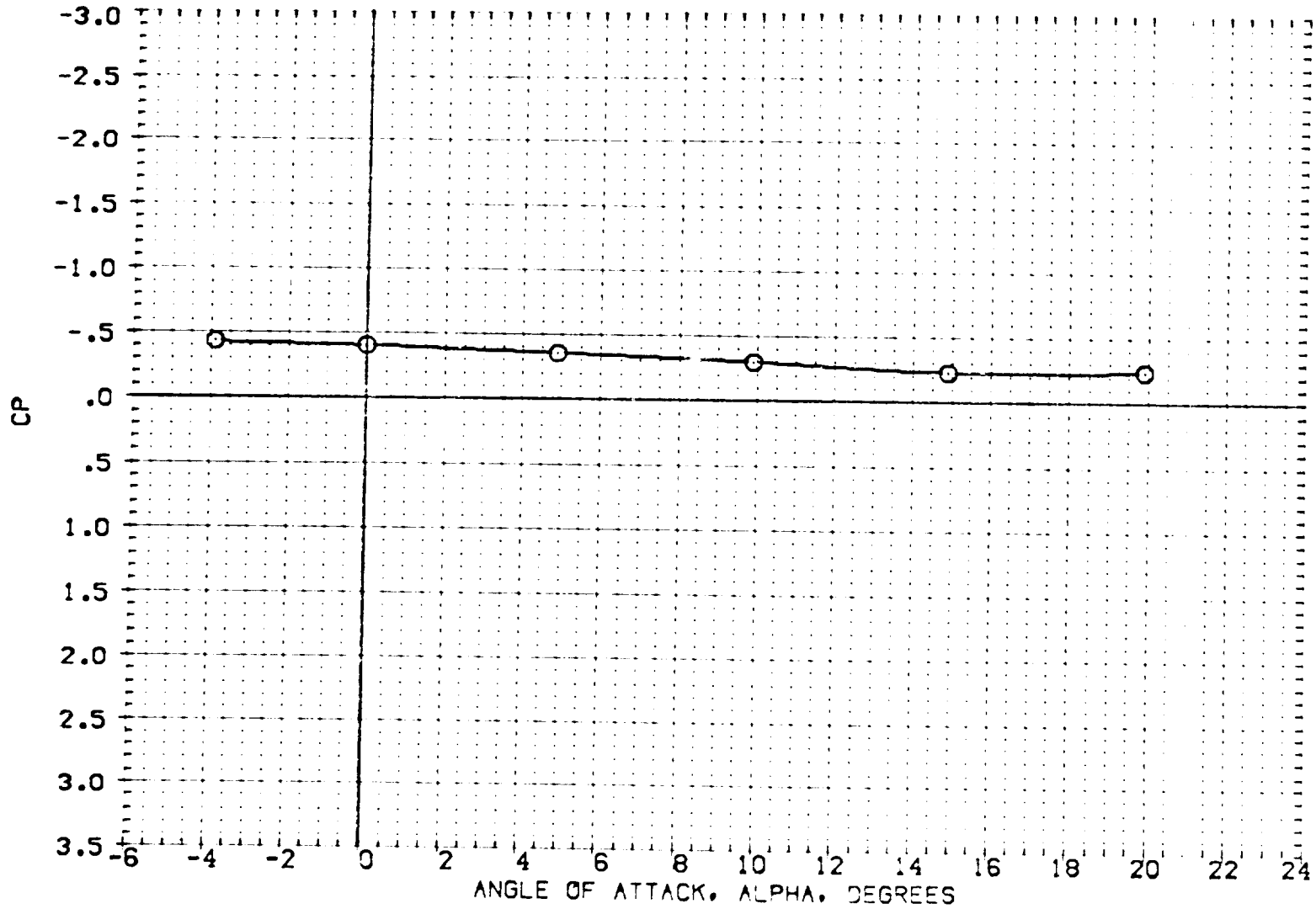


FIG 102 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON = 15

0A57 B16C5F1 J24 W87E16X9 BODY FLAP UPPER (DDT006)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.037

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

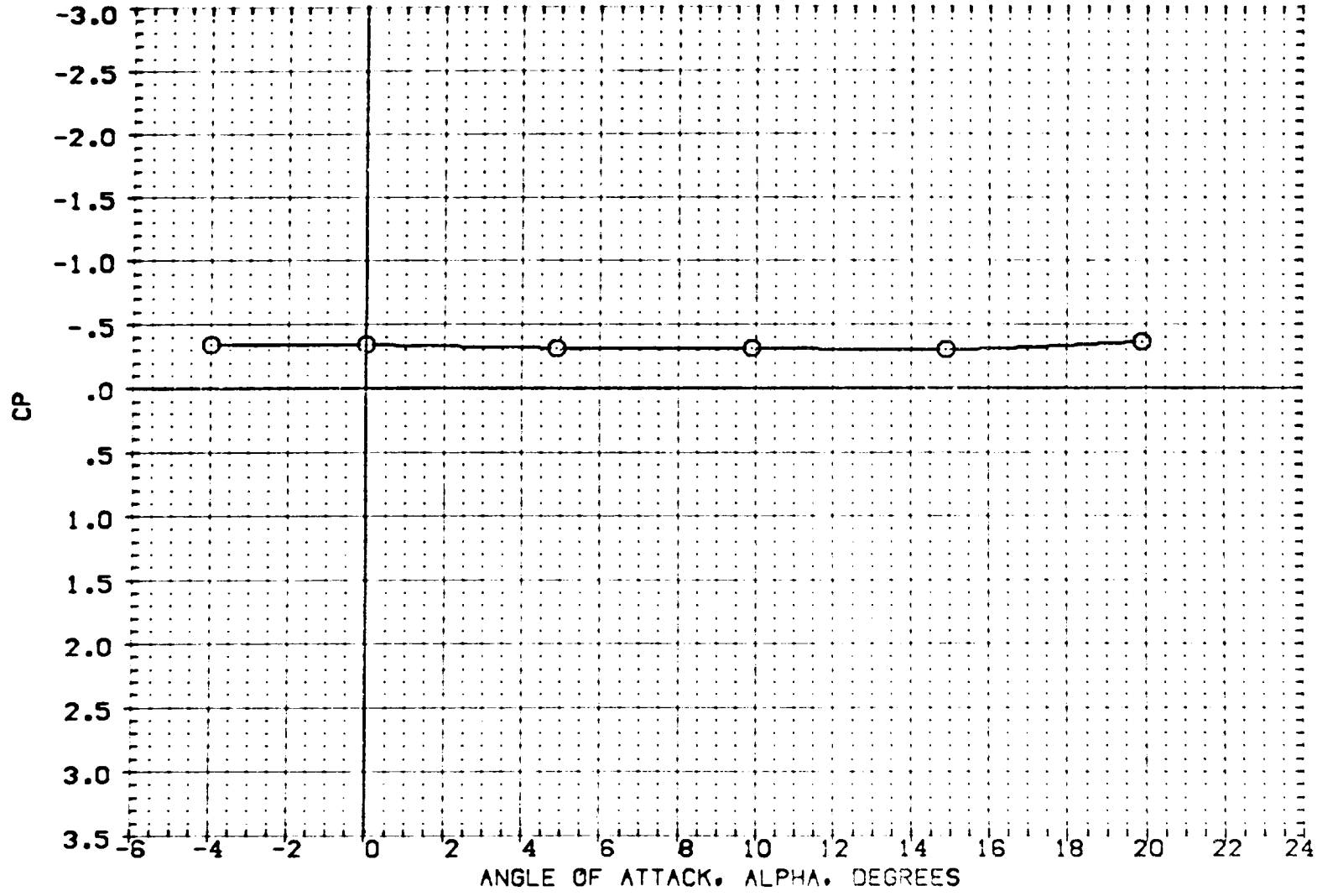


FIG 103 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (ODT006)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.323

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BODFLAP	-18.000
MACH	.160	AILERON	.000

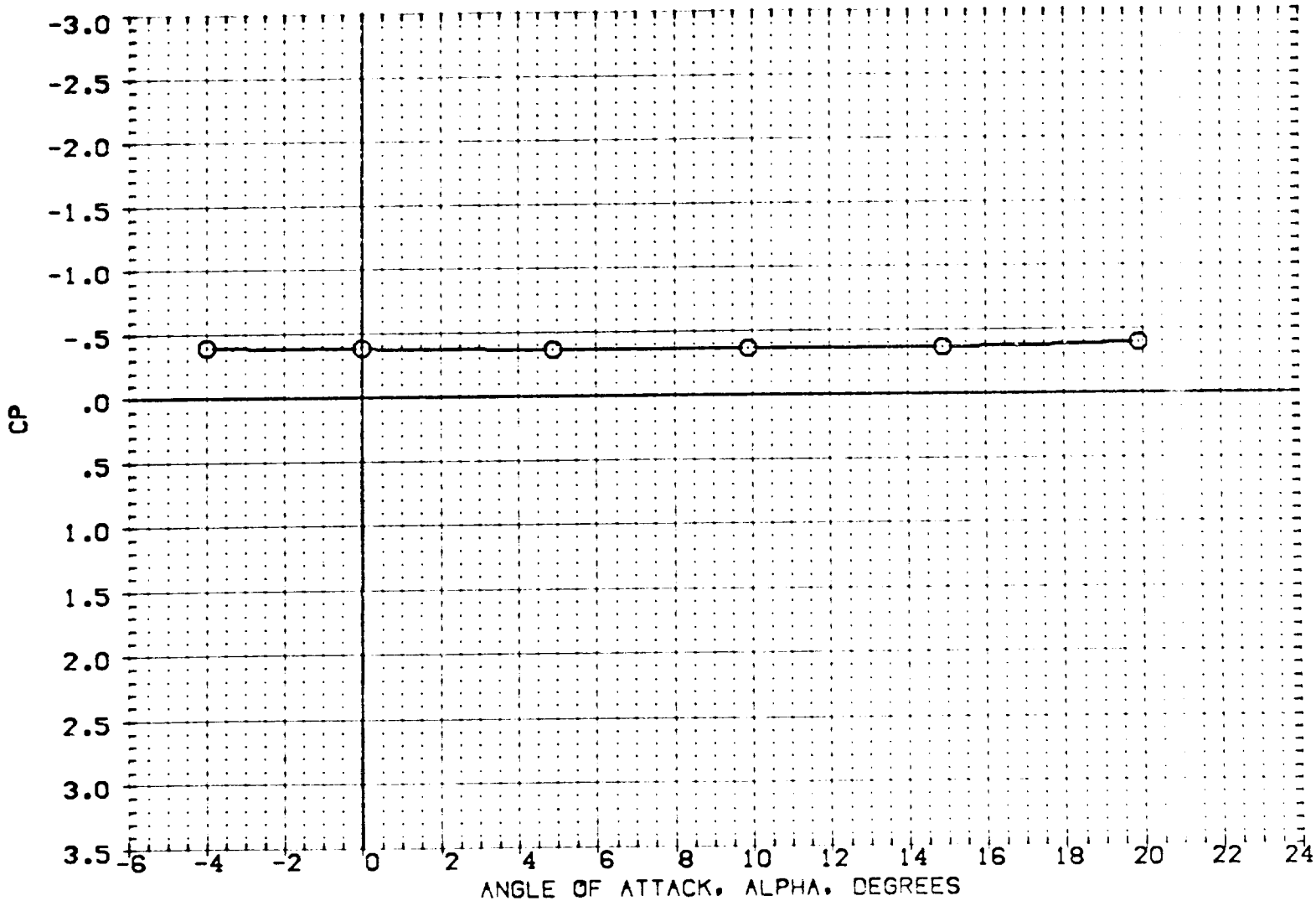


FIG 103 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT006)

SYMBOL	Z	X	PT1/P
○	.000	.000	2.110

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

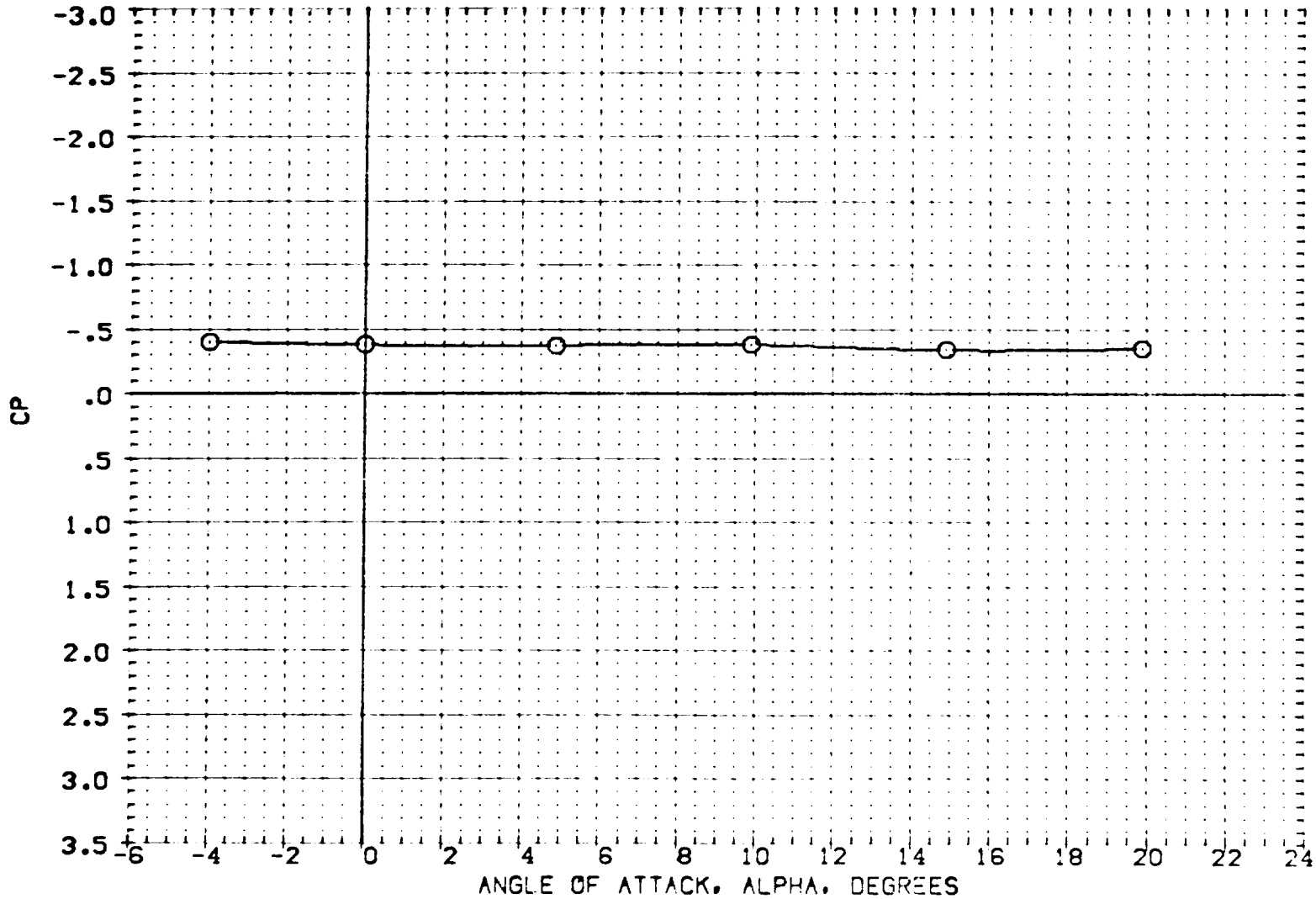


FIG 103 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .286 ELEVON = 15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT007)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.041

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	-15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

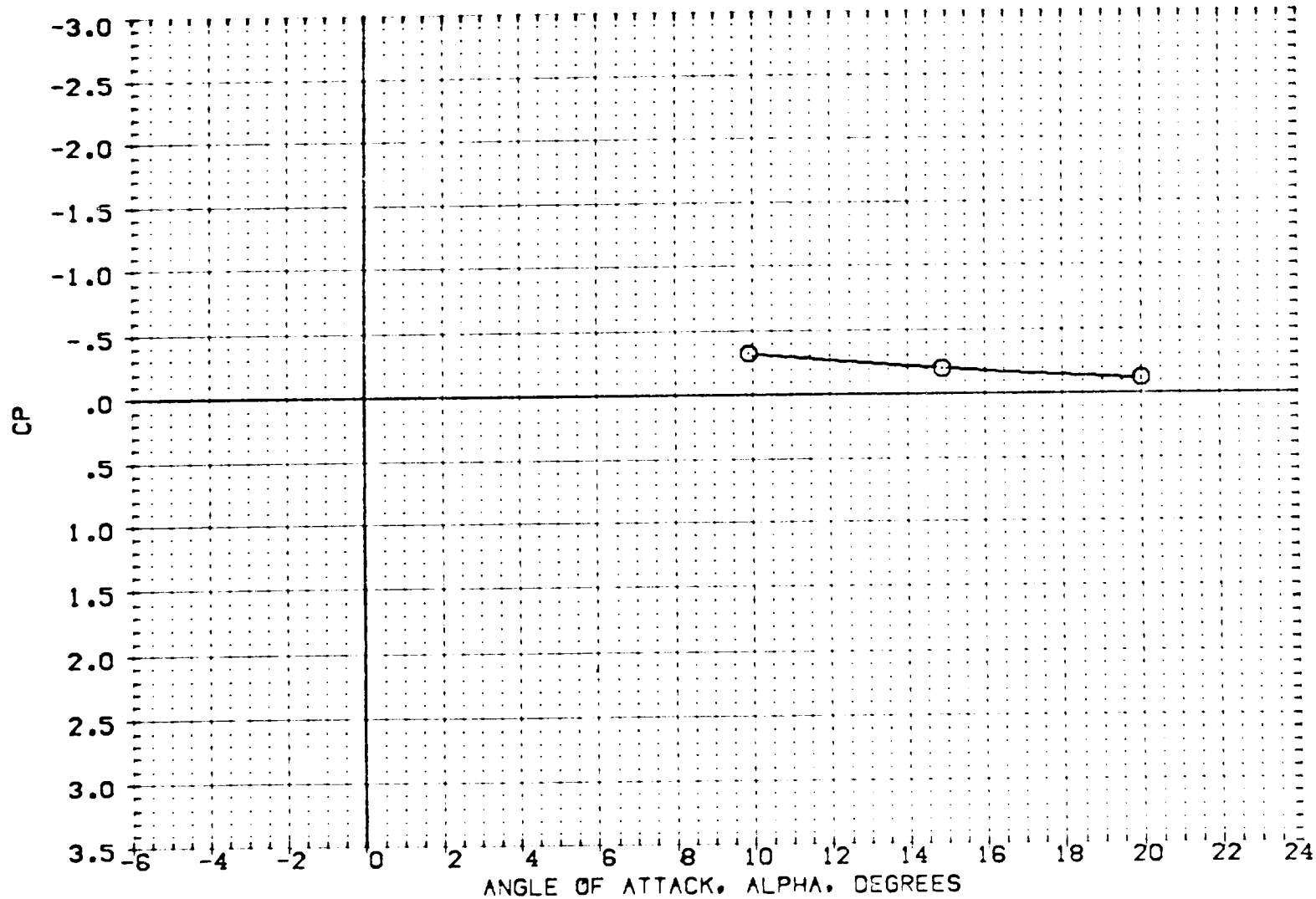


FIG 104 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT007)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.542

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	-15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

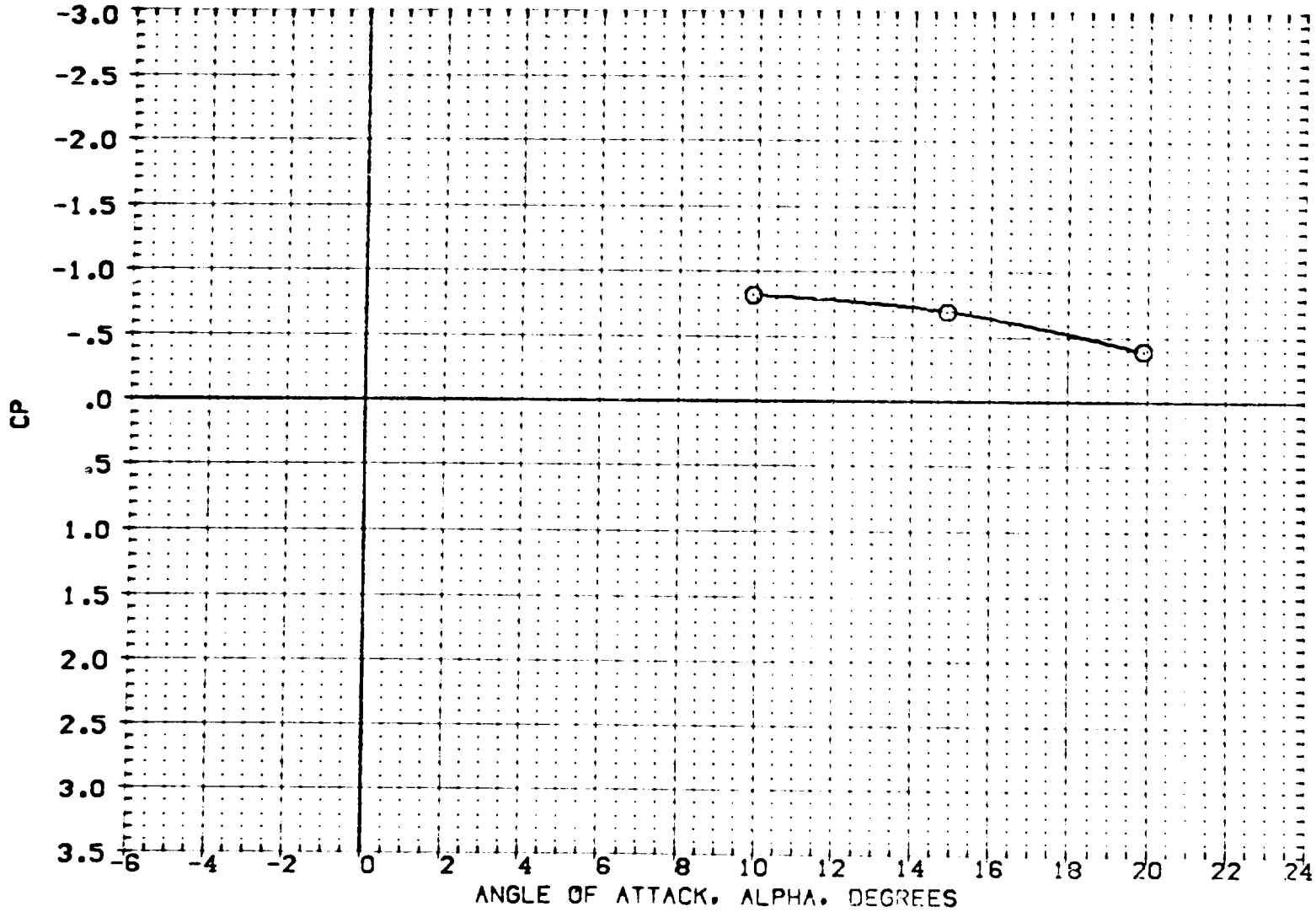


FIG 104 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT007)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.648

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	-15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

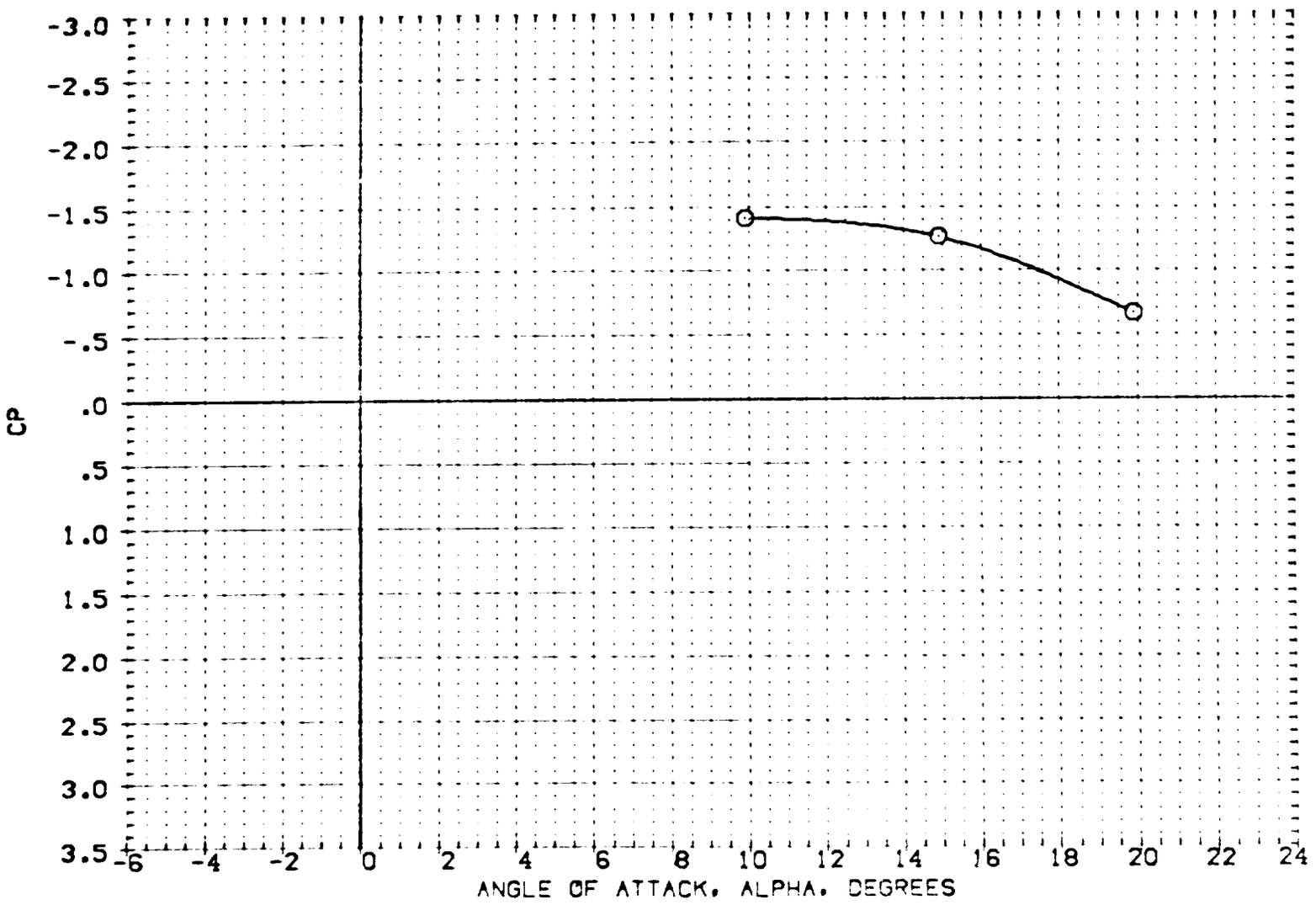


FIG 104 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .038 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT008)

SYMBOL	Z	X	PTI/P
C	.000	.000	1.027

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	-15.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

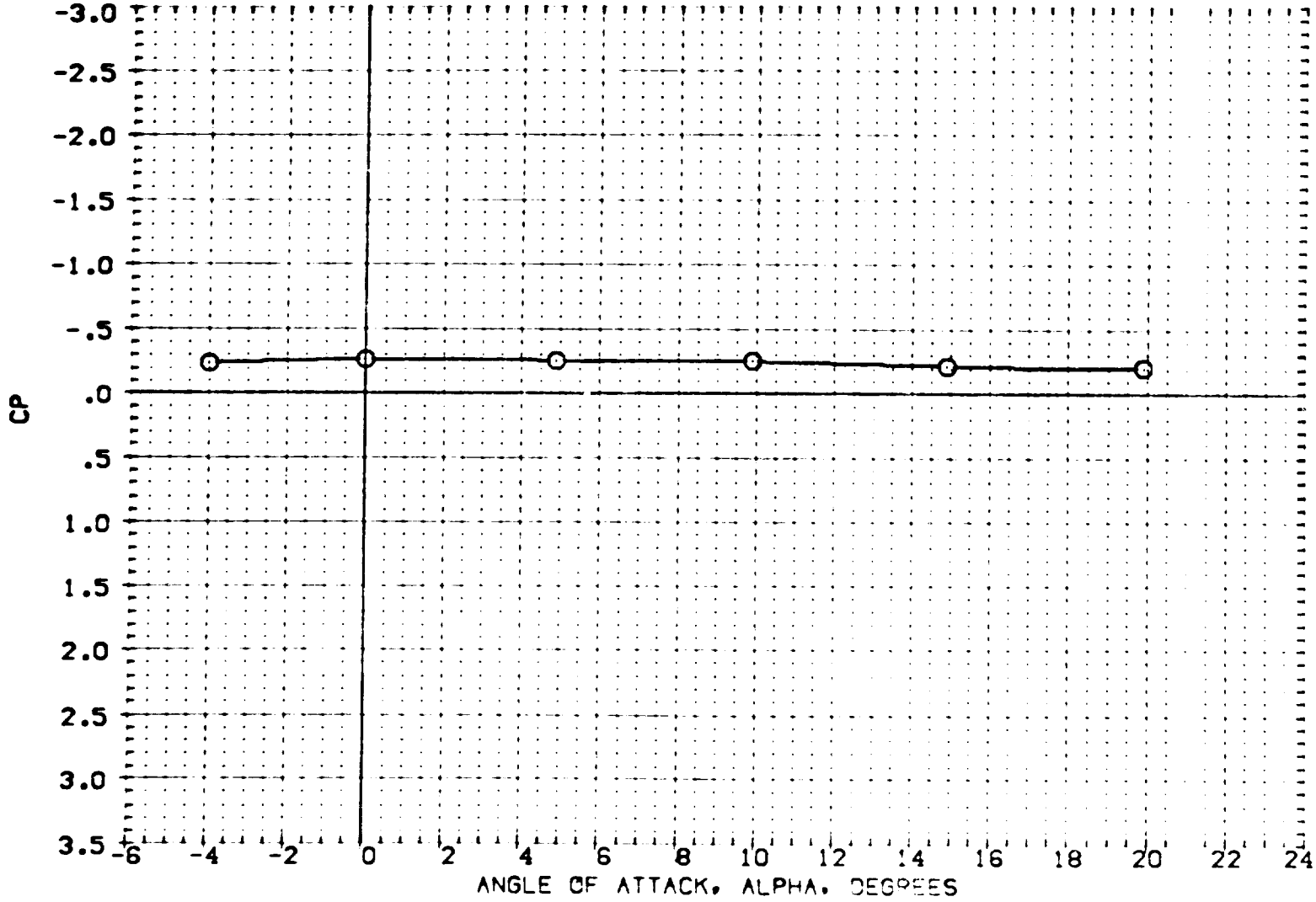


FIG 105 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT008)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.557

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	-15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

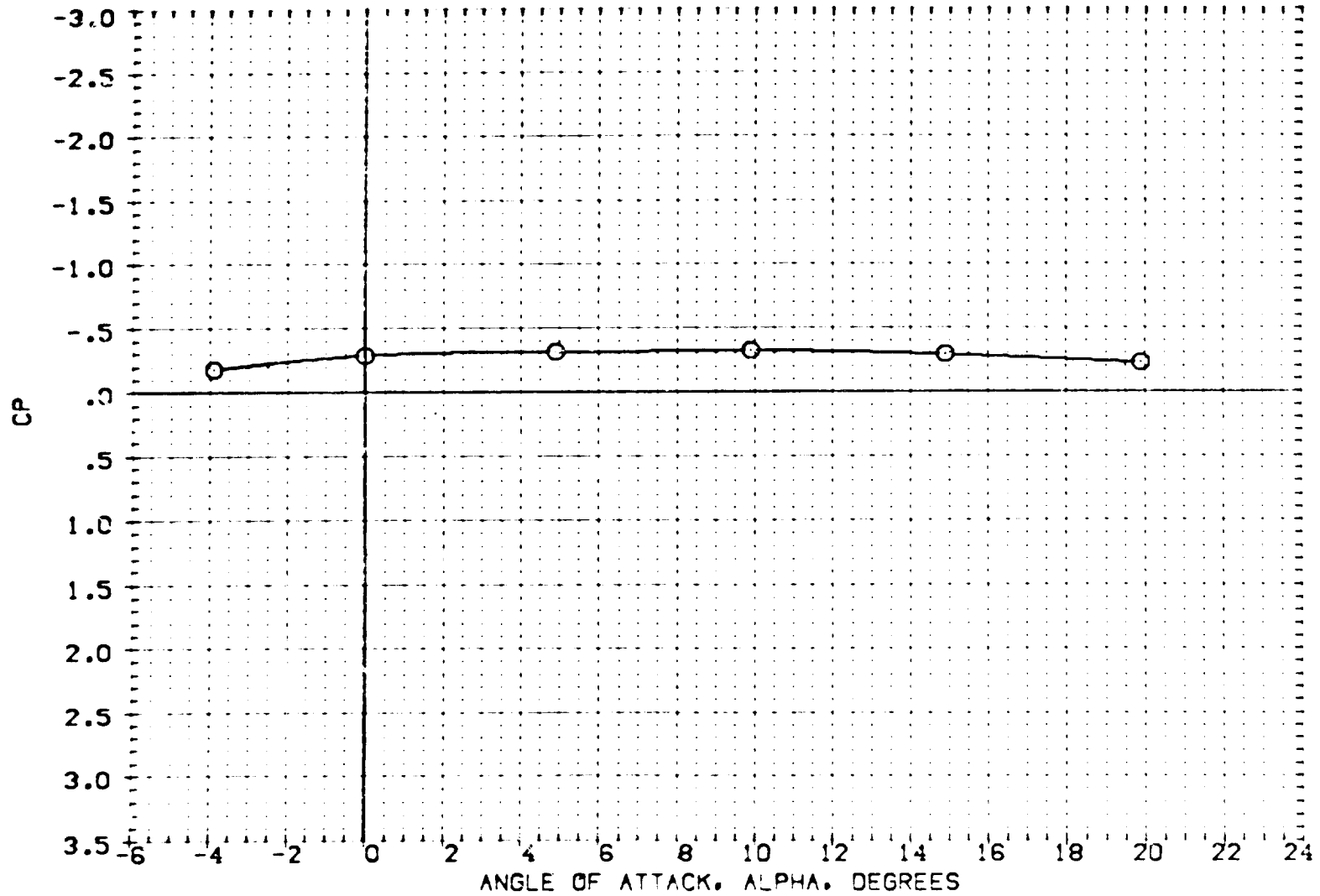


FIG 105 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON =-15

0A57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT008)

SYMBOL	Z	X	PTI/P
O	.000	.000	2.069

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	-15.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

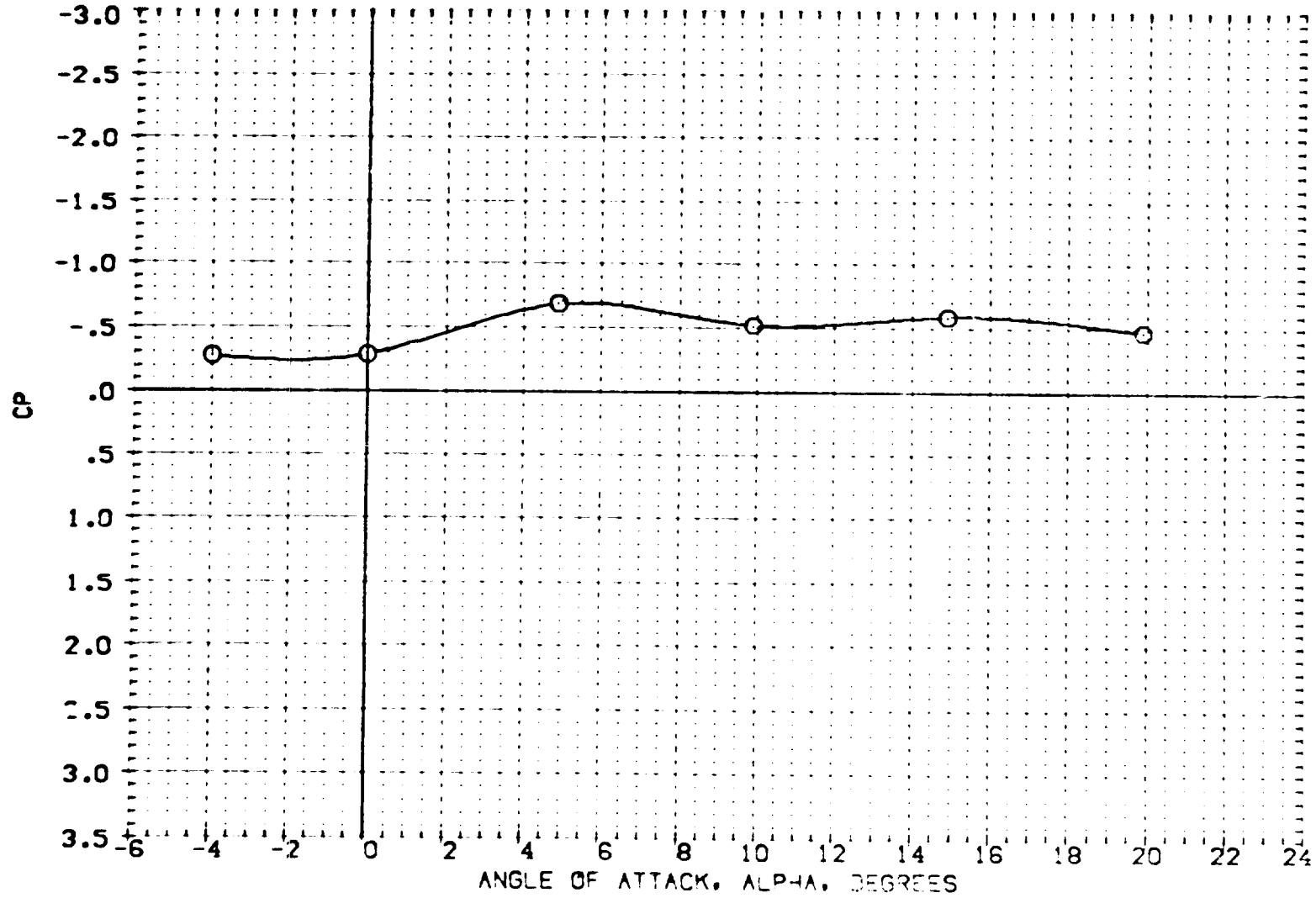


FIG 105 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J24 H/B= .125 ELEVON =-15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT009)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.038

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

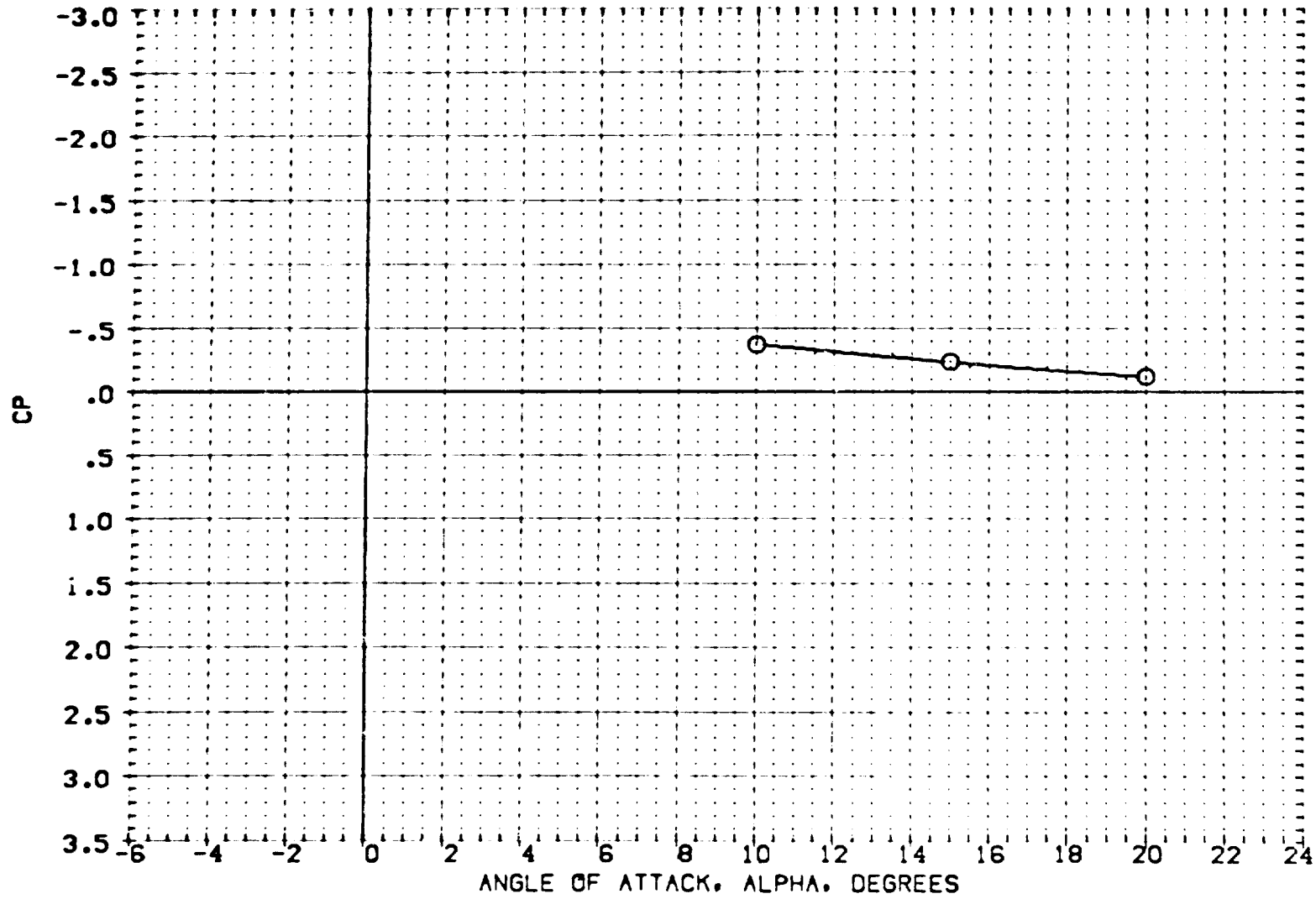


FIG 106 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT009)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.617

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

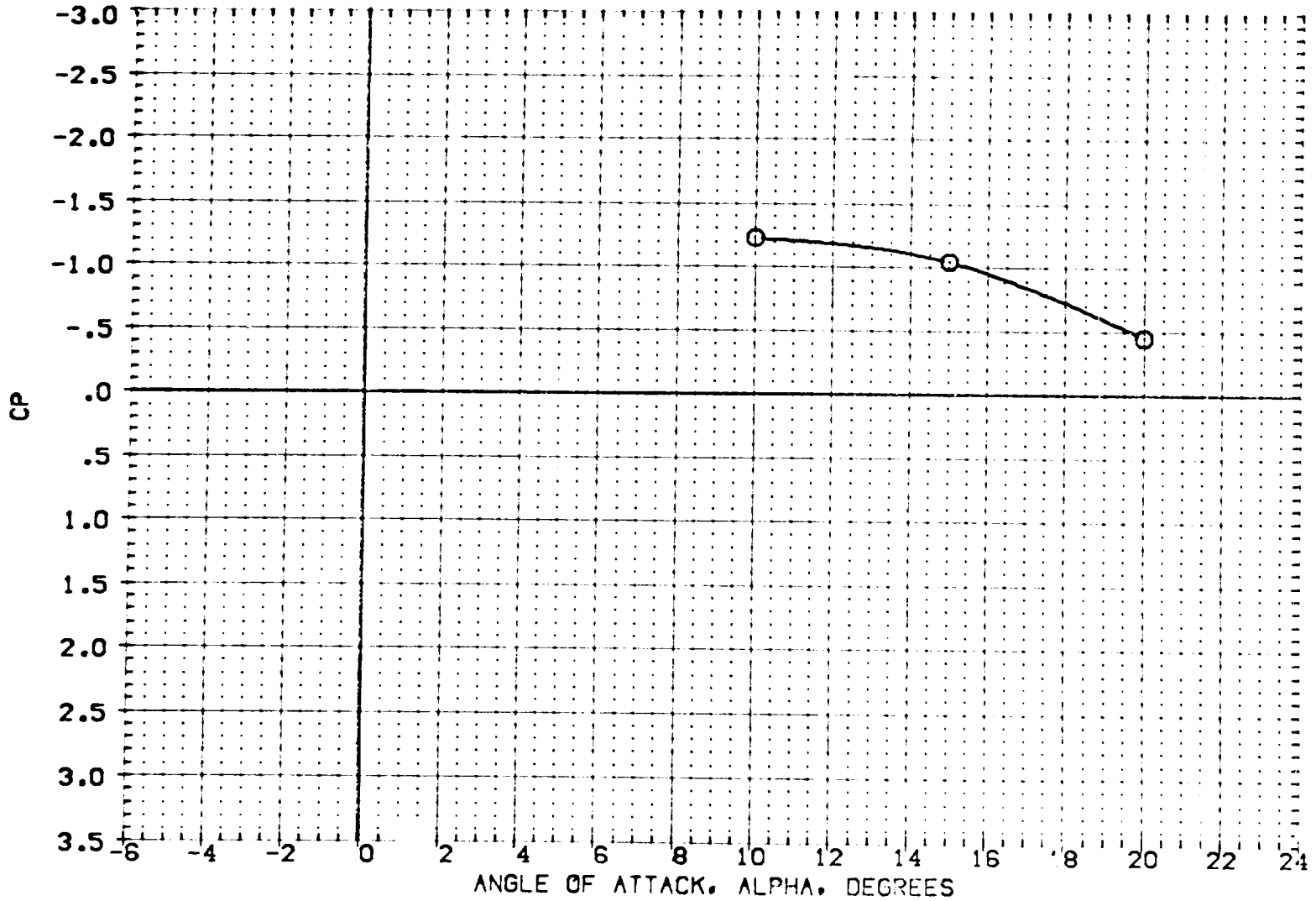


FIG 106 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT010)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.029

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BDFLAP	-18.000
MACH	.160	AILRON	.000



FIG 107 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT010)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.620

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	.000	BODFLAP	-18.000
MACH	.160	AILERON	.000

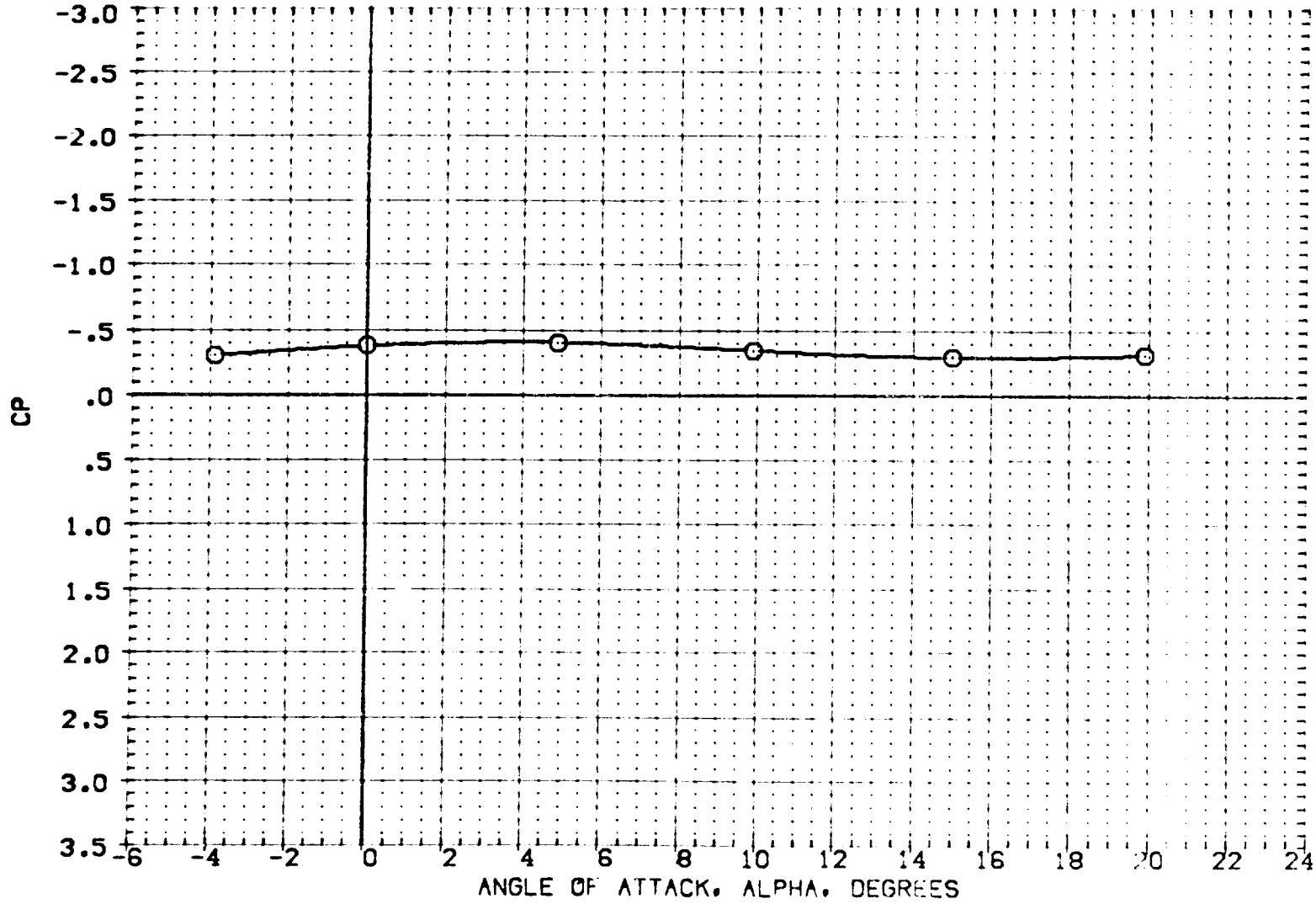


FIG 107 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT011)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.029

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

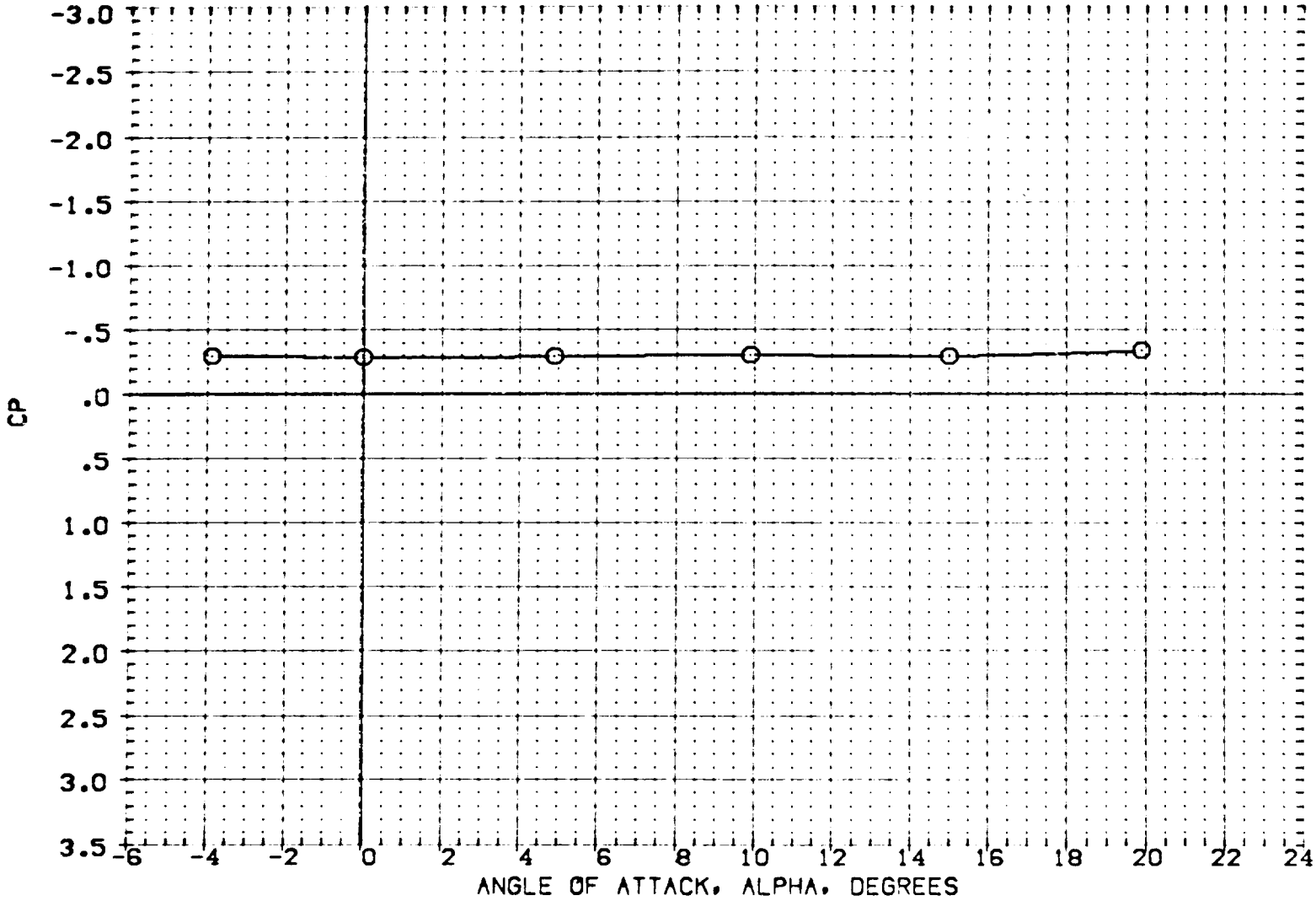


FIG 108 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDTO11)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.248

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BODY FLAP	-10.000
MACH	.160	AILRON	.000

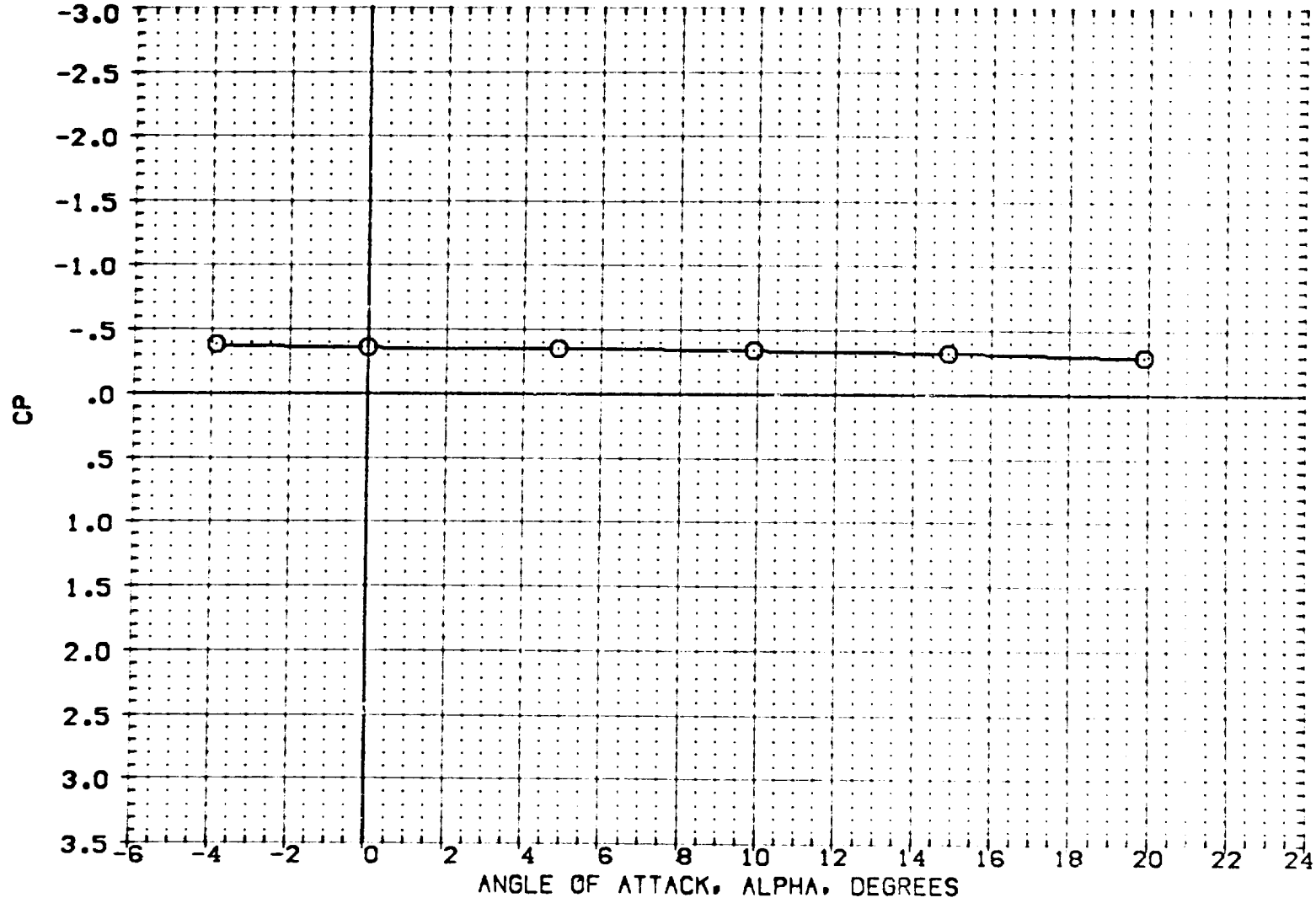


FIG 108 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT011)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.720

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	.000	BODY FLAP	-19.000
MACH	.160	AILERON	.000

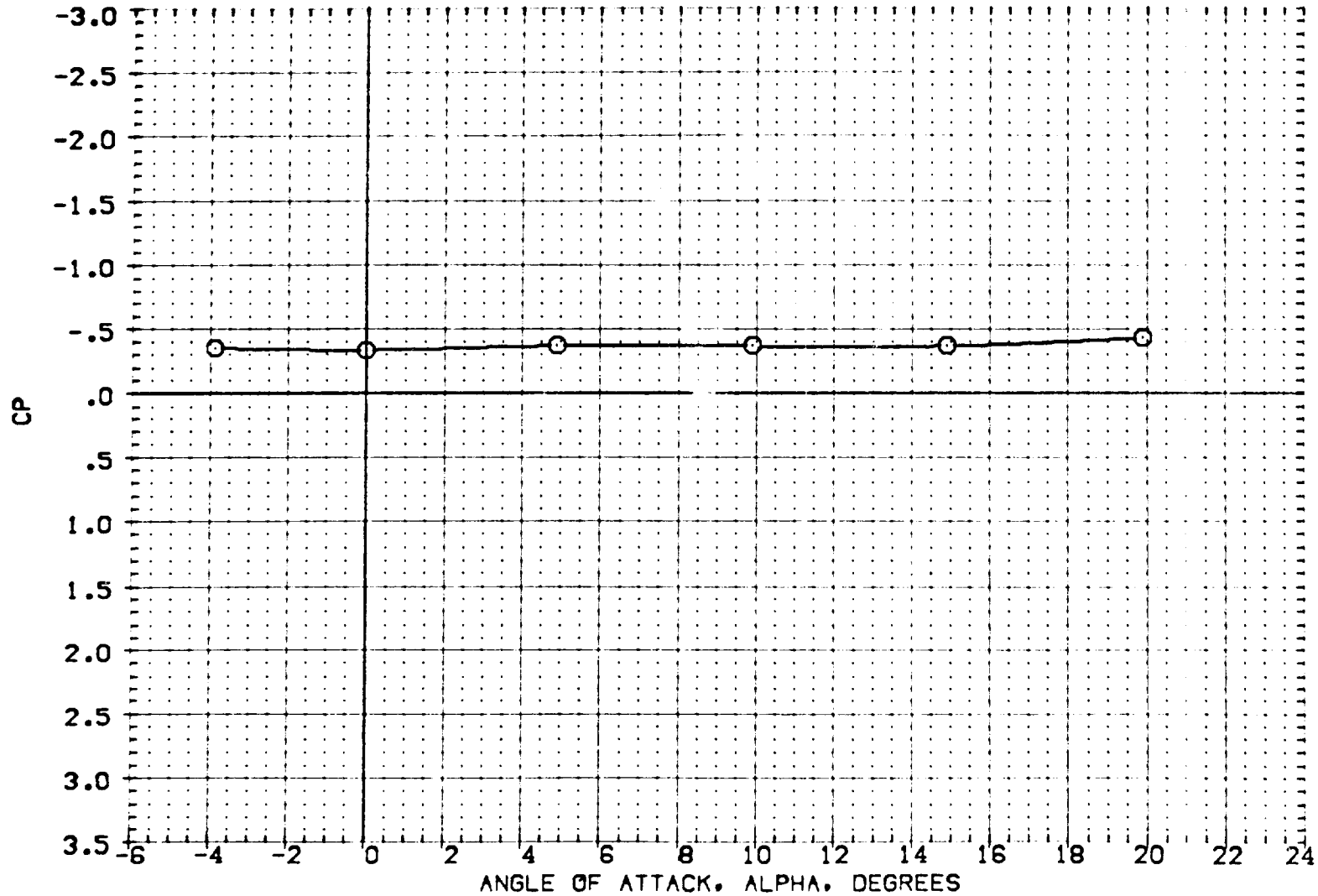


FIG 108 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 0

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT012)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.039

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000



FIG 109 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT012)

SYMBOL	Z	X	PTI/P
○	.000	.000	1.245

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

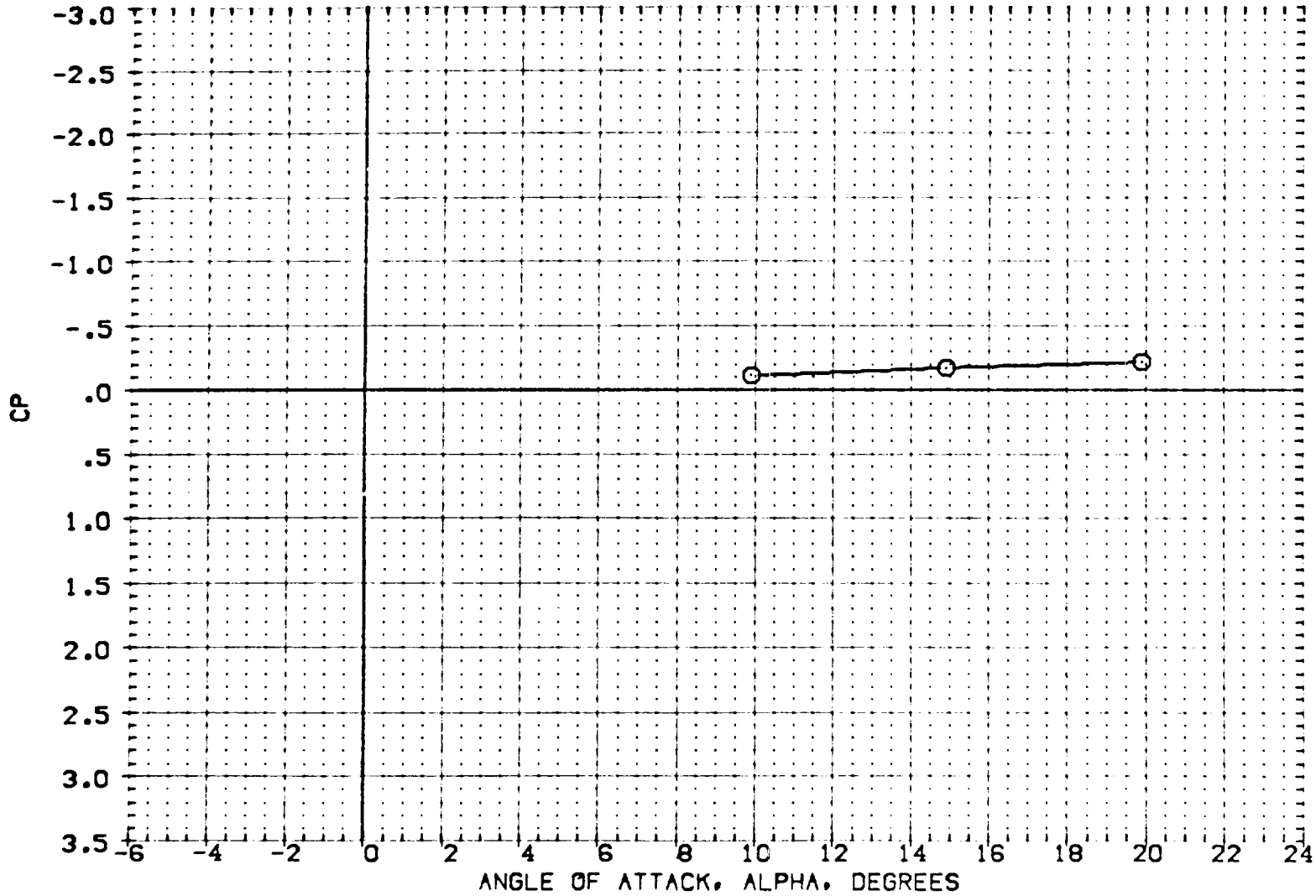


FIG 109 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT012)

SYMBOL	Z	X	PT1/P
O	≈0	.000	1.634

PARAMETRIC VALUES

BETA	.000	H/B	.038
ELEVON	15.000	BOFLAP	-10.000
MACH	.160	AILRON	.000

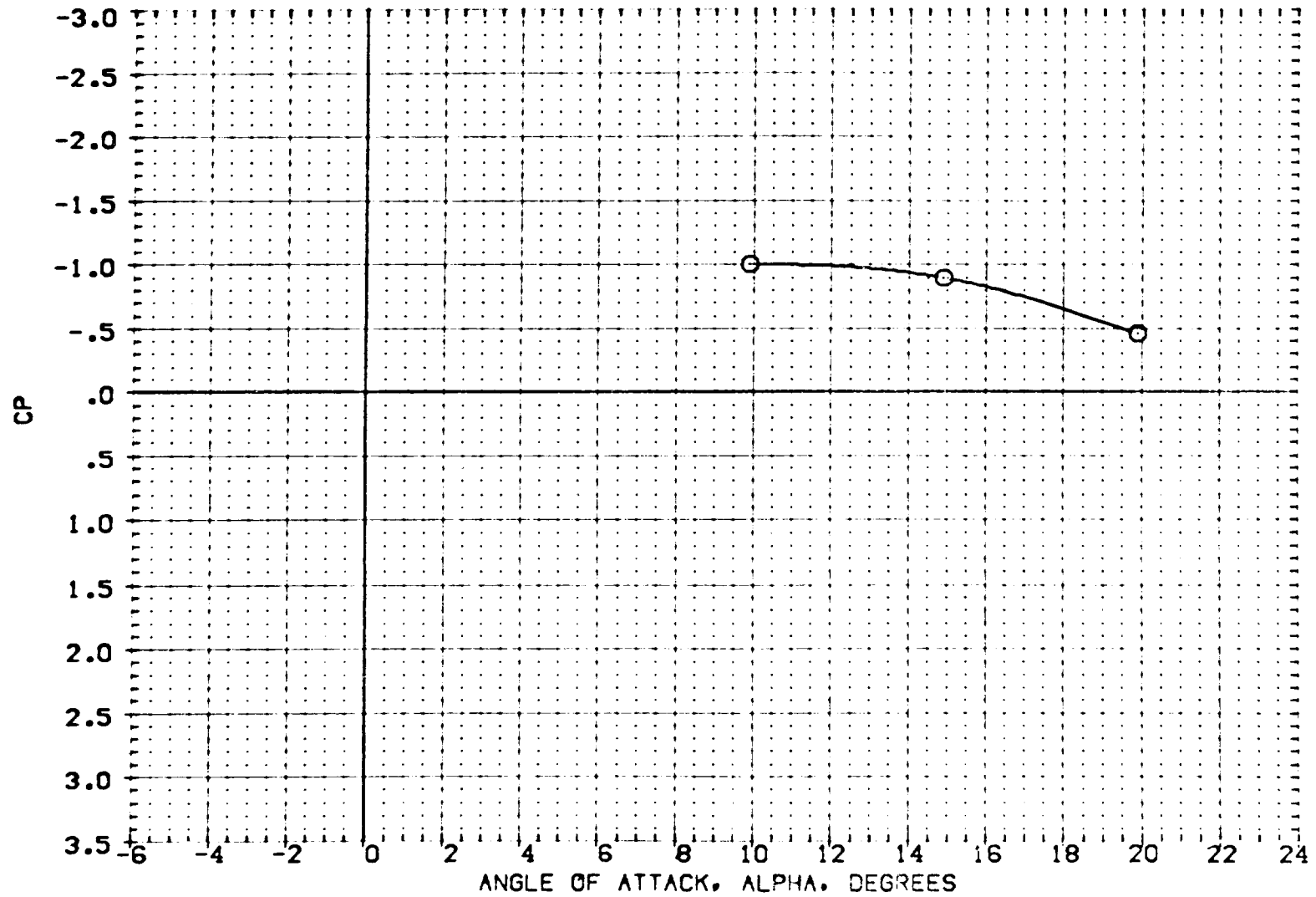


FIG 109 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .038 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT013)

SYMBOL	Z	X	PT1/P
○	.000	.000	1.027

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

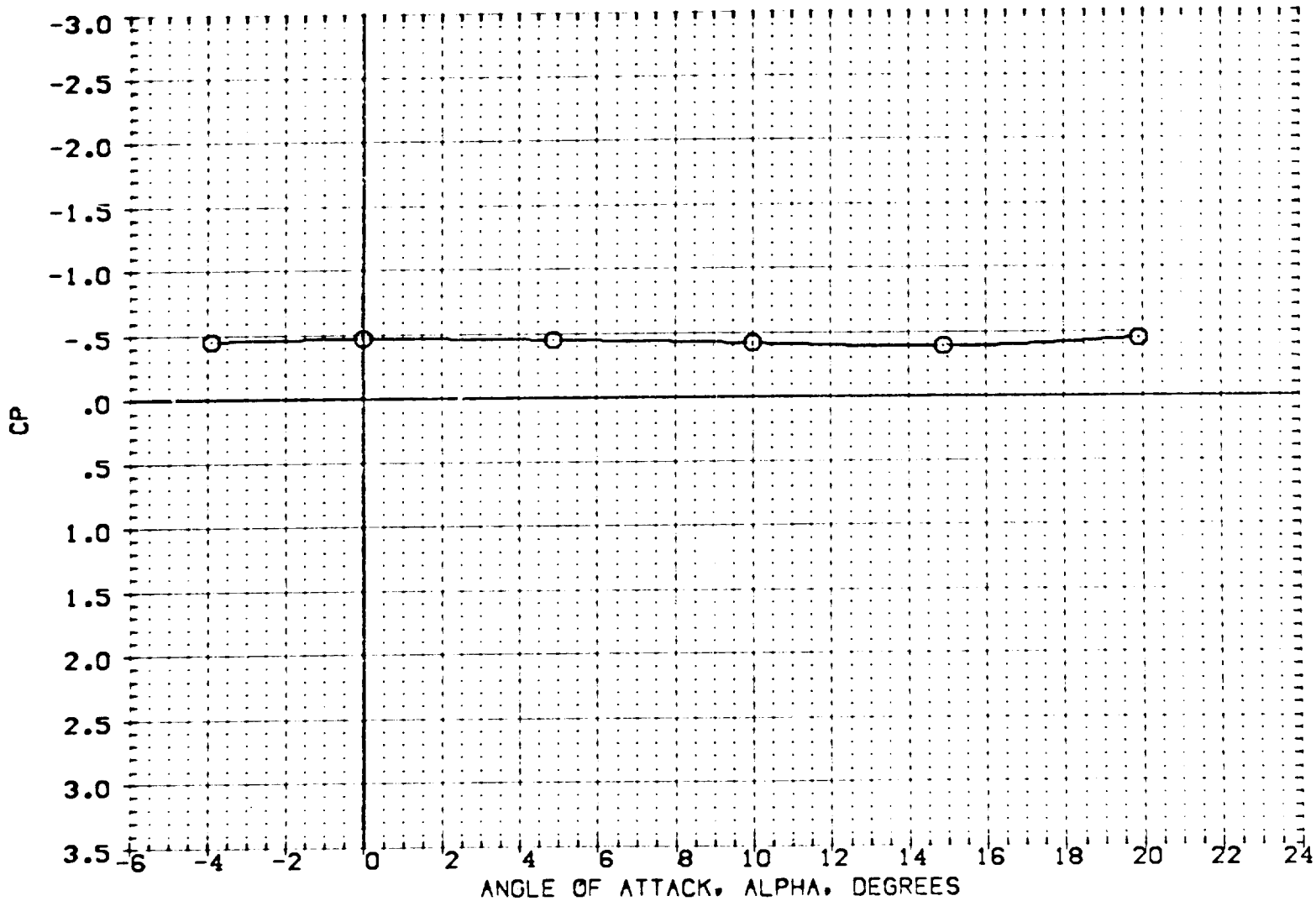


FIG 110 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT013)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.235

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BODFLAP	-18.000
MACH	.160	AILERON	.000

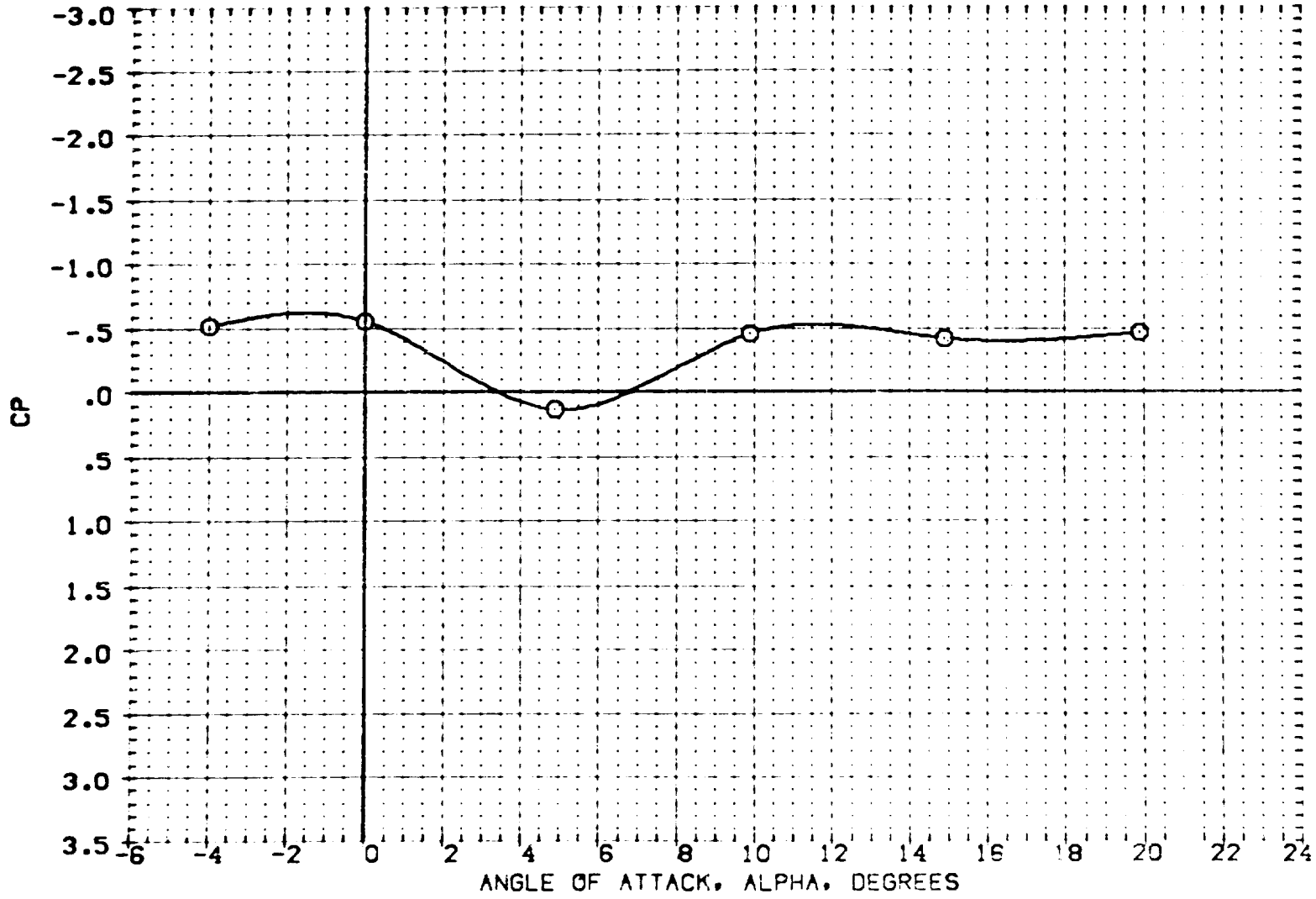


FIG 110 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT013)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.663

PARAMETRIC VALUES

BETA	.000	H/B	.125
ELEVON	15.000	BOFLAP	-18.000
MACH	.160	AILRON	.000

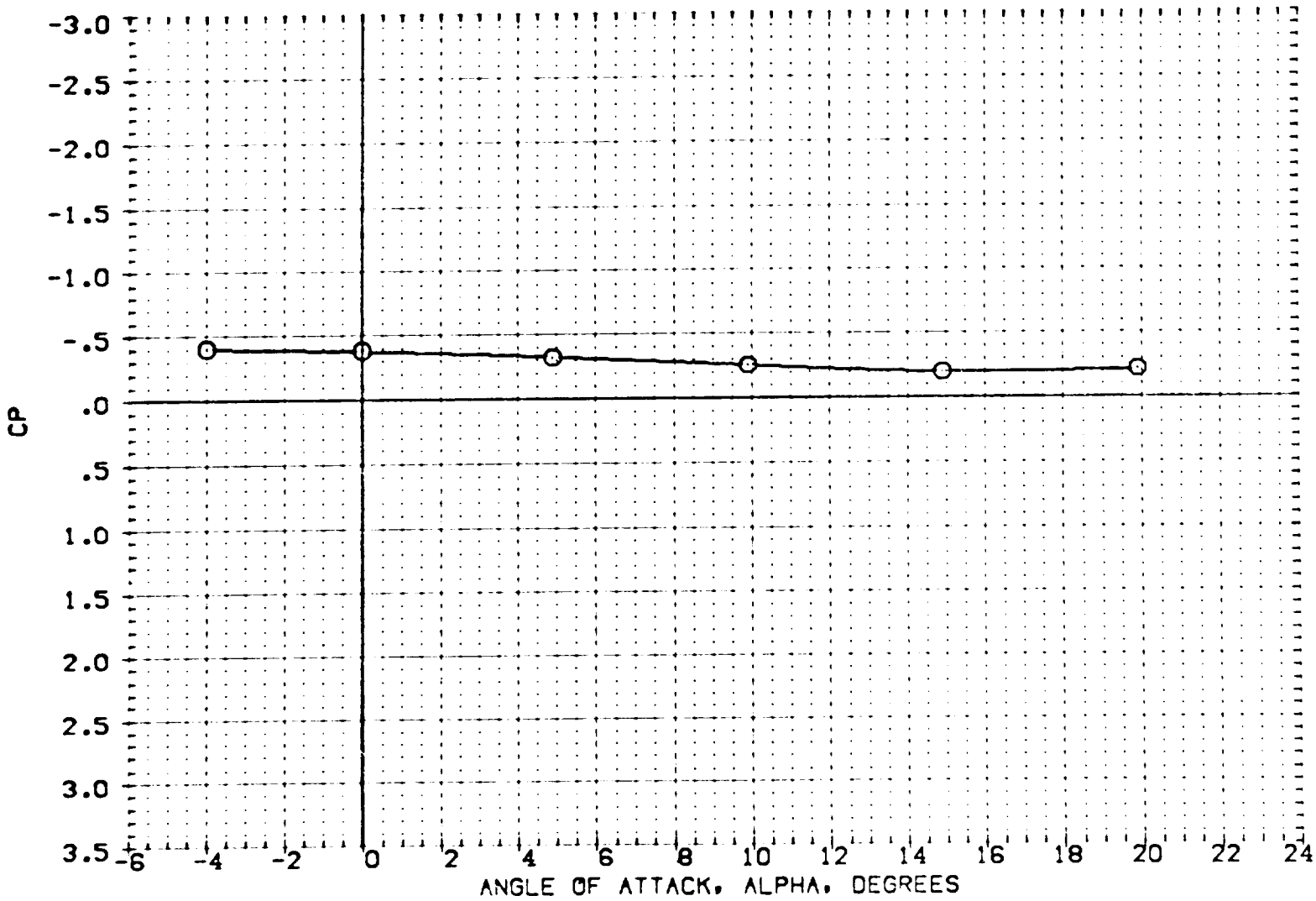


FIG 110 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .125 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT014)

SYMBOL	Z	X	PT1/P
O	.000	.000	1.001

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

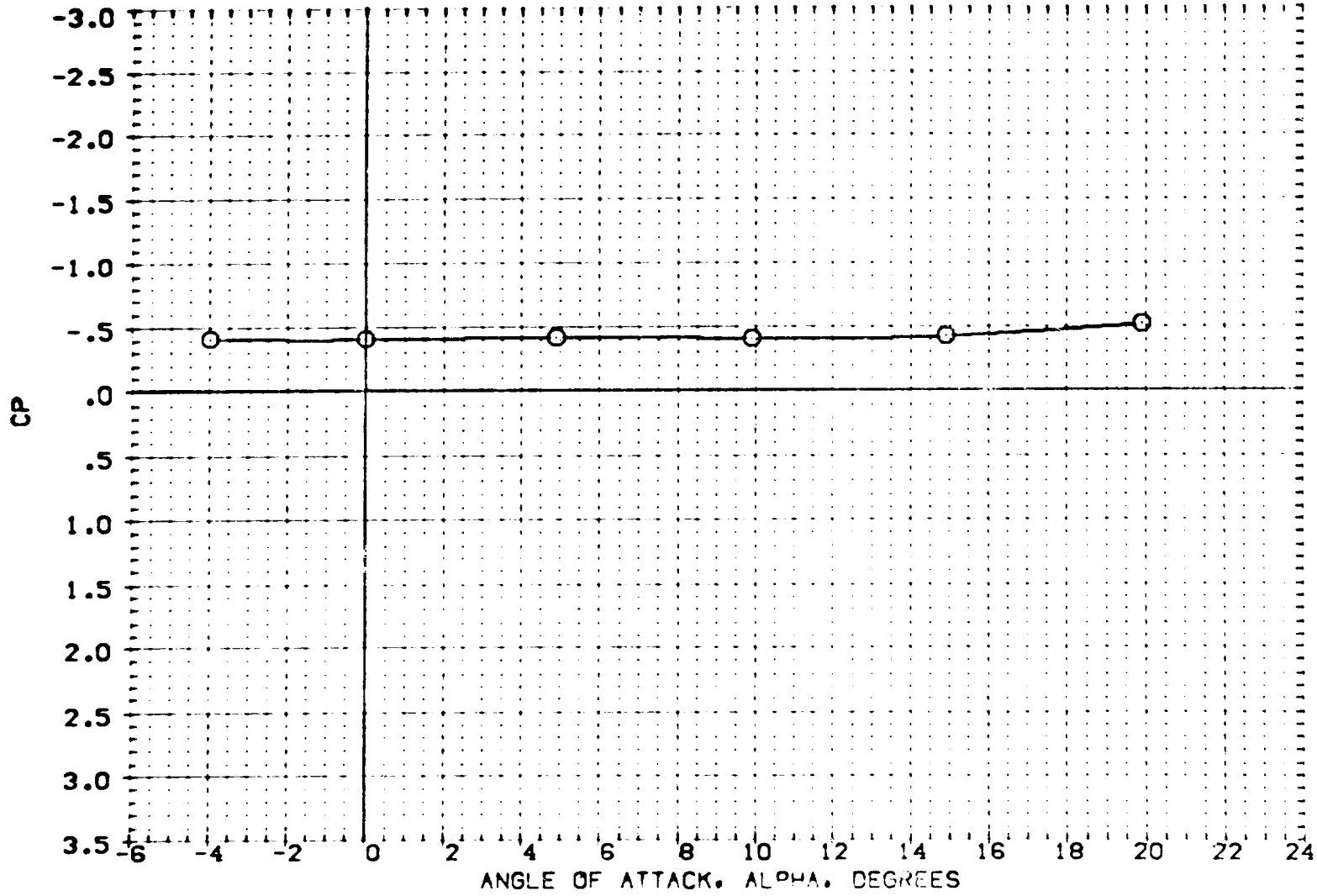


FIG 111 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT014)

SYMBOL	Z	X	PT/P
○	.000	.000	1.246

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-10.000
MACH	.160	AILRON	.000

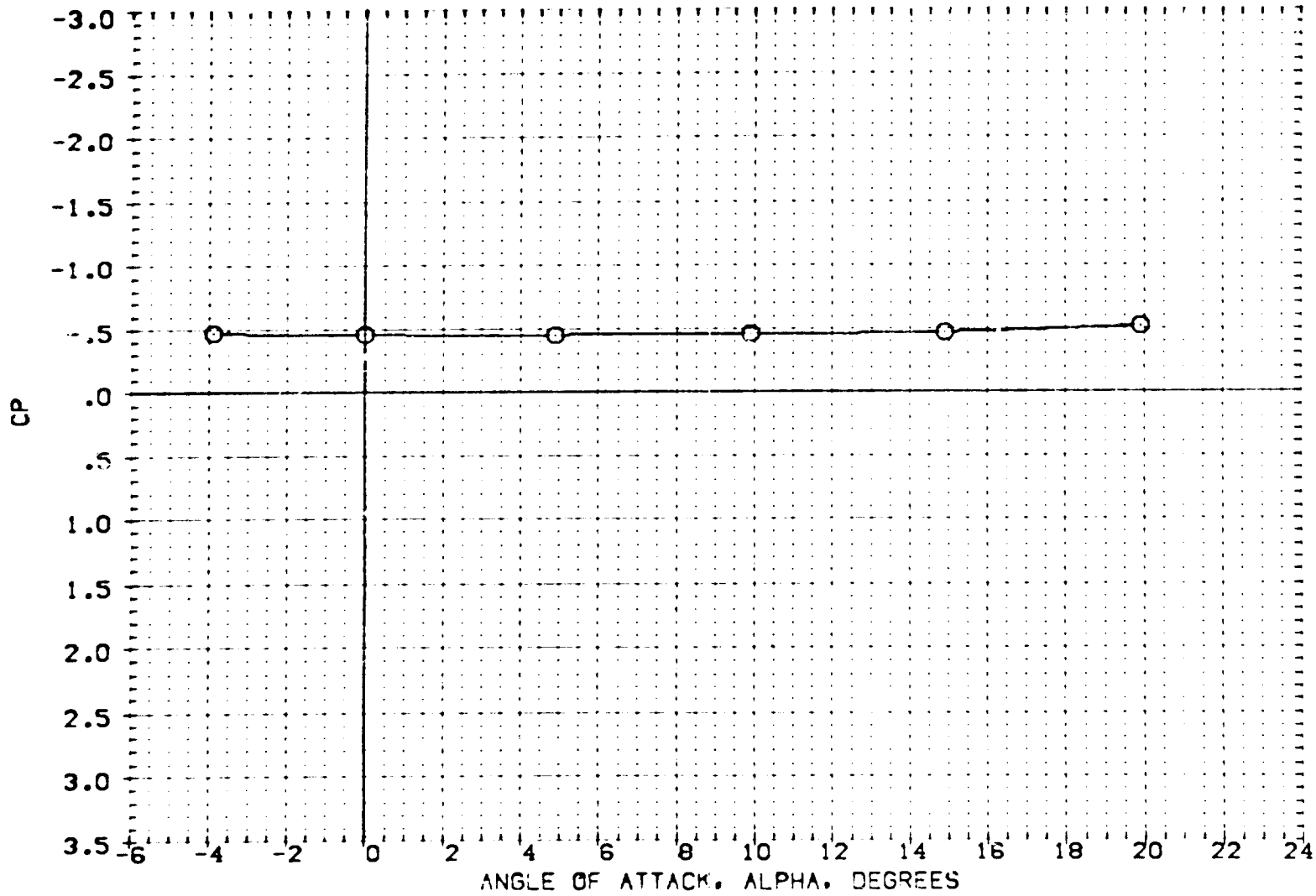


FIG 111 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 15

0A57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT014)

SYMBOL	Z	X	PTI/P
O	.000	.000	1.666

PARAMETRIC VALUES

BETA	.000	H/B	.286
ELEVON	15.000	BDFLAP	-18.000
MACH	.160	AILRON	.000

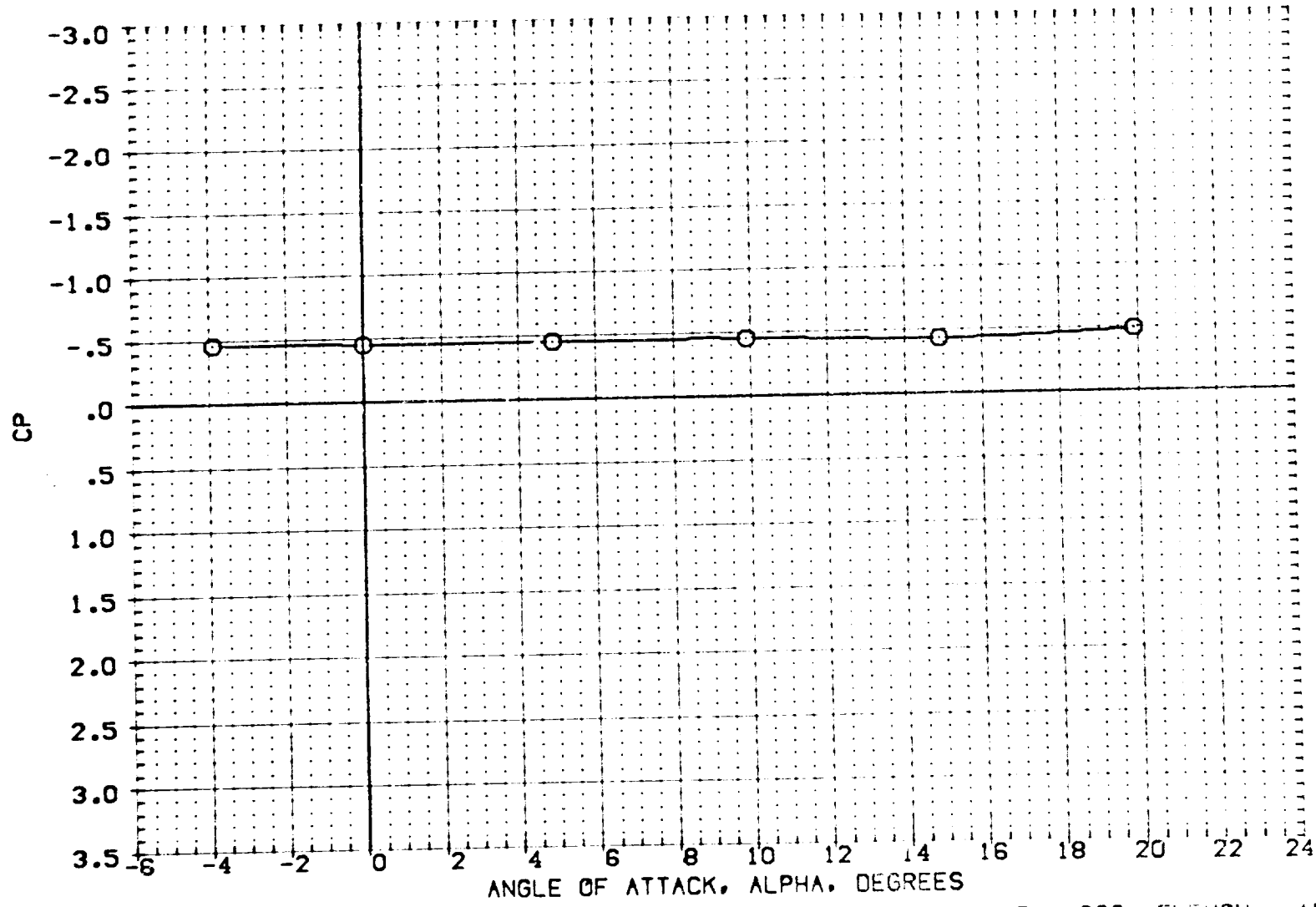


FIG 111 BODY FLAP LOWER SURFACE PRESS VAR WITH ALPHA J15 H/B= .286 ELEVON = 15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION					ALPHA	PTN/P	H/B	AILRON
(BDT004)	□	0A57	B16/5F1	J24	V87E18X9	INTEG CPS. HM. BASE	10.000	1.900	.000	.000
(BDT008)	△	0A57	B16/5F1	J24	V87E18X9	INTEG CPS. HM. BASE	10.000	1.900	.125	.000
(BDT012)	◇	0A57	B16C5F1	J24	V87E16X9	INTEG CPS. HM. BASE	10.000	1.900	.296	.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

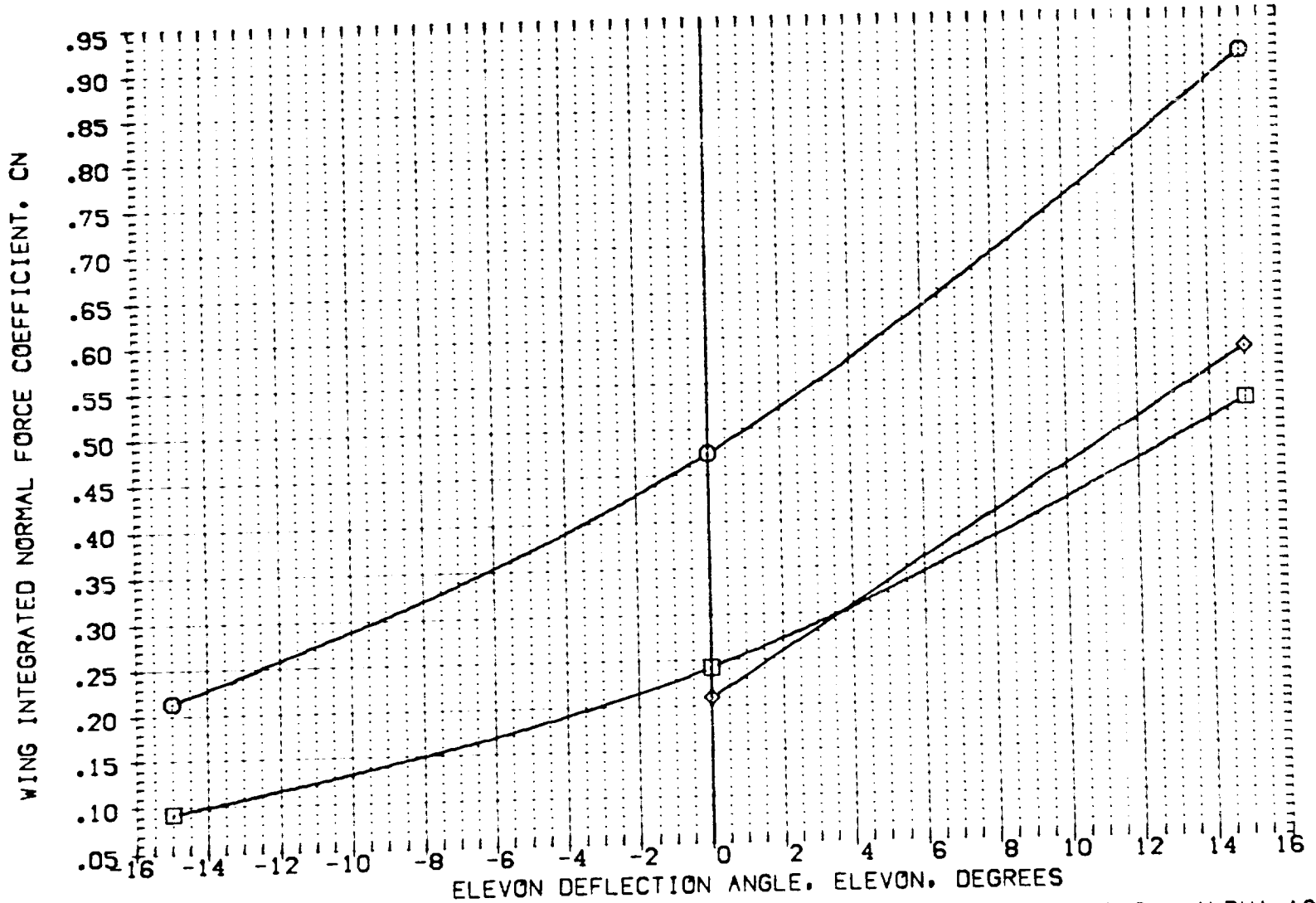


FIG 112 ELEVON EFFECTIVENESS ON WING INTEG. PRESS., J24 PTN/P = 1.9 + ALPHA=10

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION					ALPHA	PTN/P	H/B	AILRON
[BOT004]	□	0A57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	10.000	1.300	.038	.000
[BOT008]	◁□	0A57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	10.000	1.900	.125	.000
[BOT012]	◇	0A57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	10.000	1.900	.286	.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

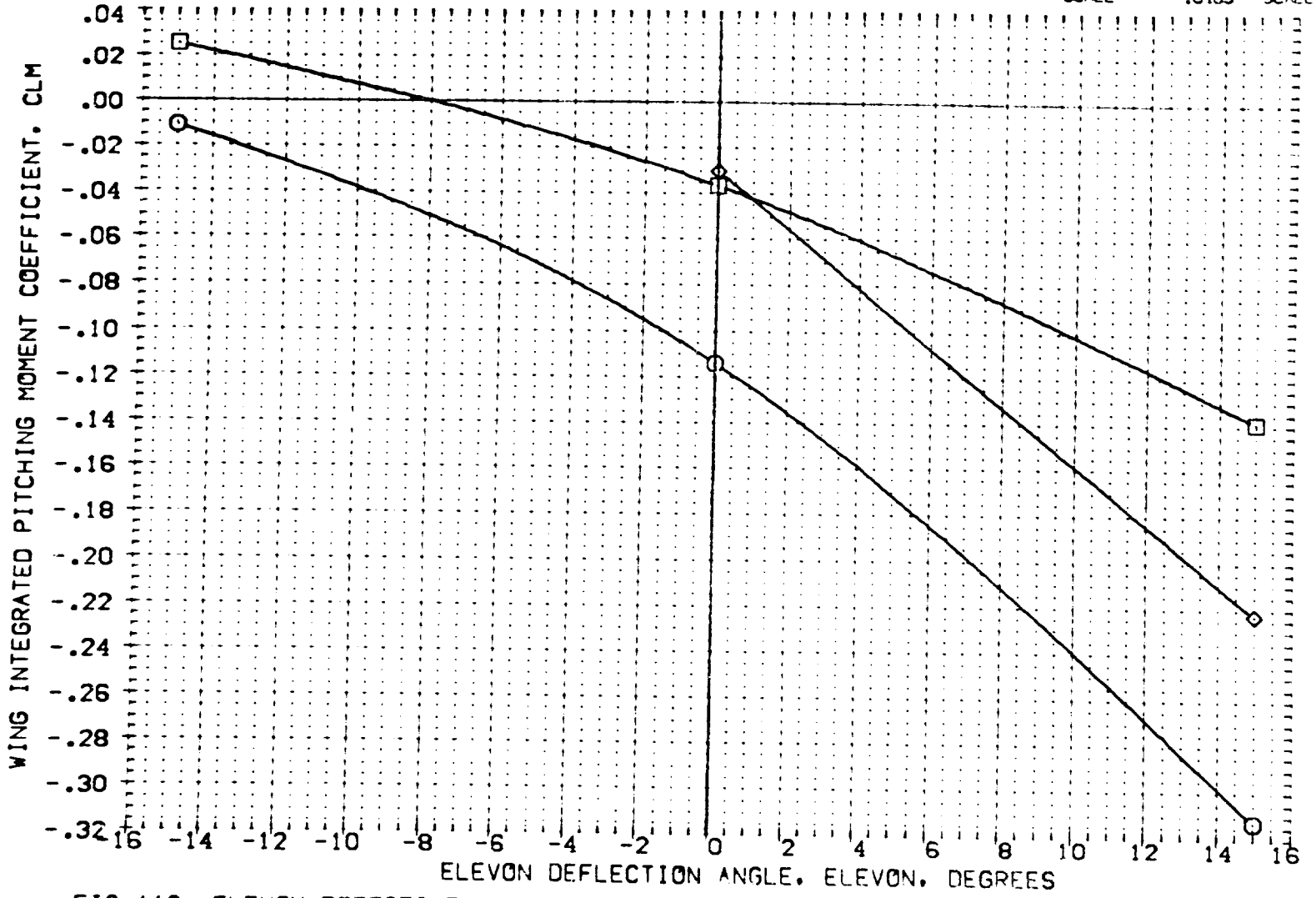


FIG 112 ELEVON EFFECTIVENESS ON WING INTEG. PRESS., J24 PTN/P = 1.9 + ALPHA=10

(A)MACH = .16

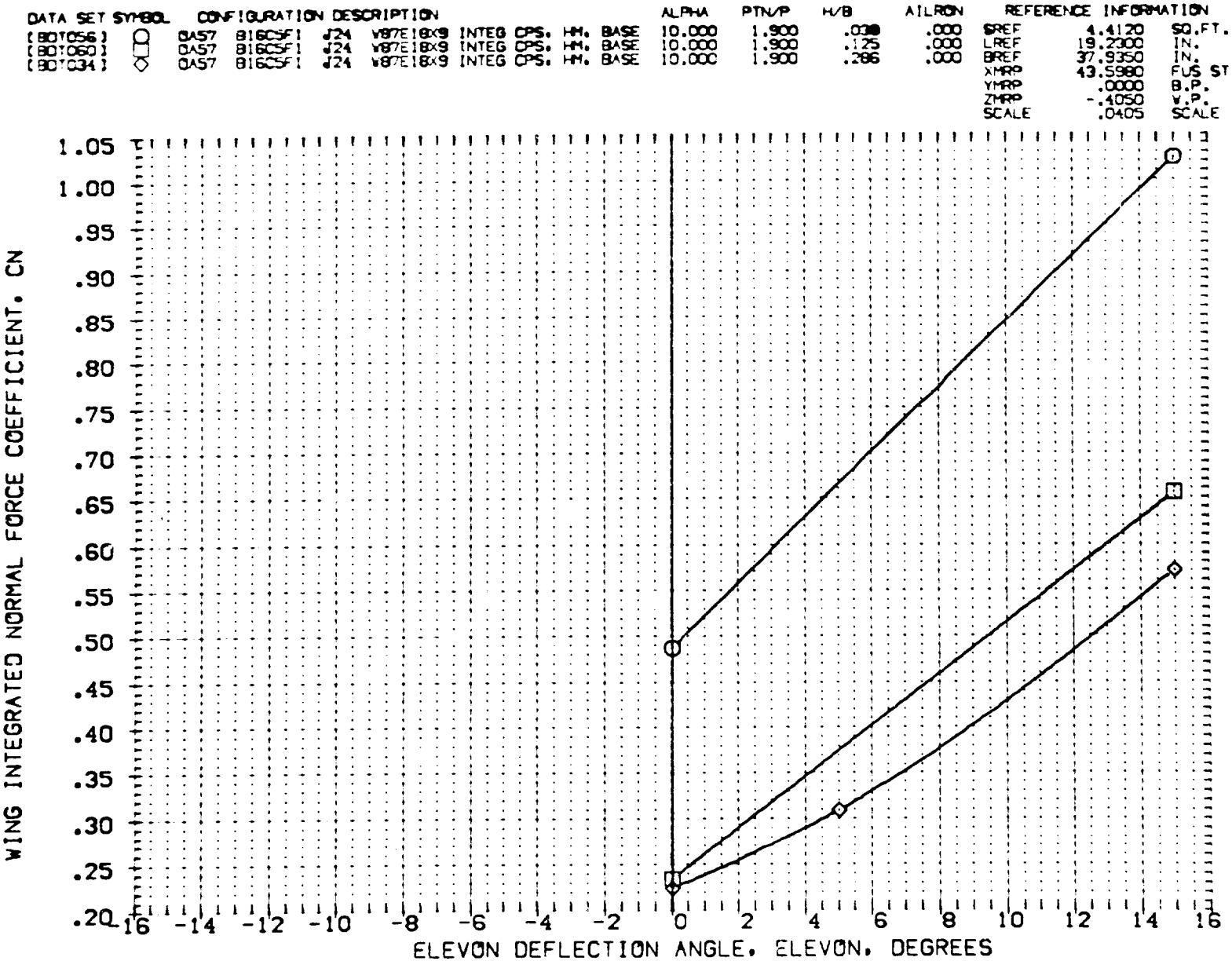


FIG 113 ELEVON EFFECTIVENESS ON WING INTEG. PRESS., J15 PTN/P = 1.9 + ALPHA=10

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	PTN/P	H/B	AILRON
(BDT056)	○	DA57 B16CSF1 J24 W87E18X9 INTEG CPS. HM. BASE	10.000	1.900	.038	.000
(BDT060)	□	DA57 B16CSF1 J24 W87E18X9 INTEG CPS. HM. BASE	10.000	1.900	.125	.000
(BDT034)	◇	DA57 B16CSF1 J24 W87E18X9 INTEG CPS. HM. BASE	10.000	1.900	.286	.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

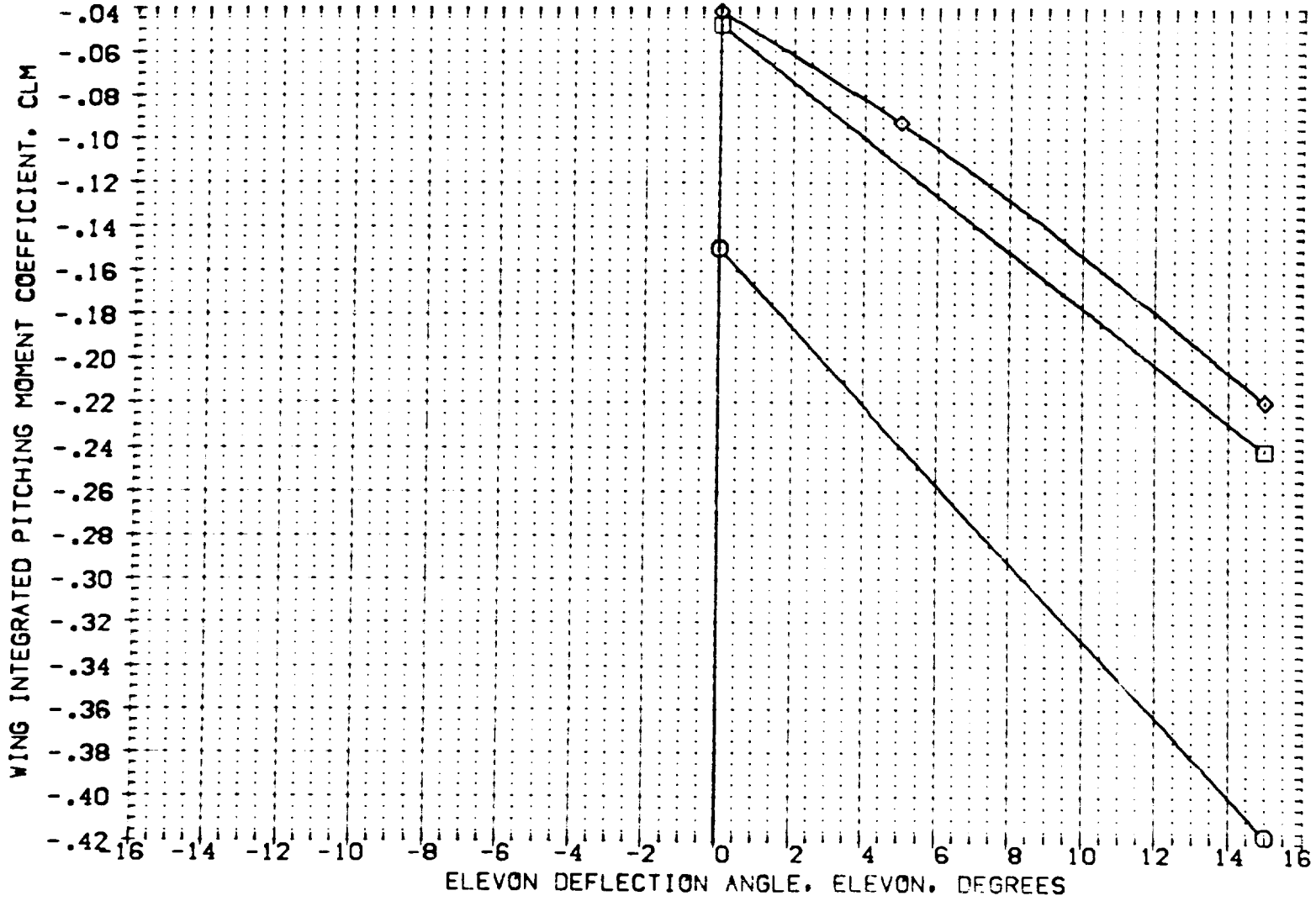


FIG 113 ELEVON EFFECTIVENESS ON WING INTEG. PRESS., J15 PTN/P = 1.9 + ALPHA=10

(A)MACH = .16

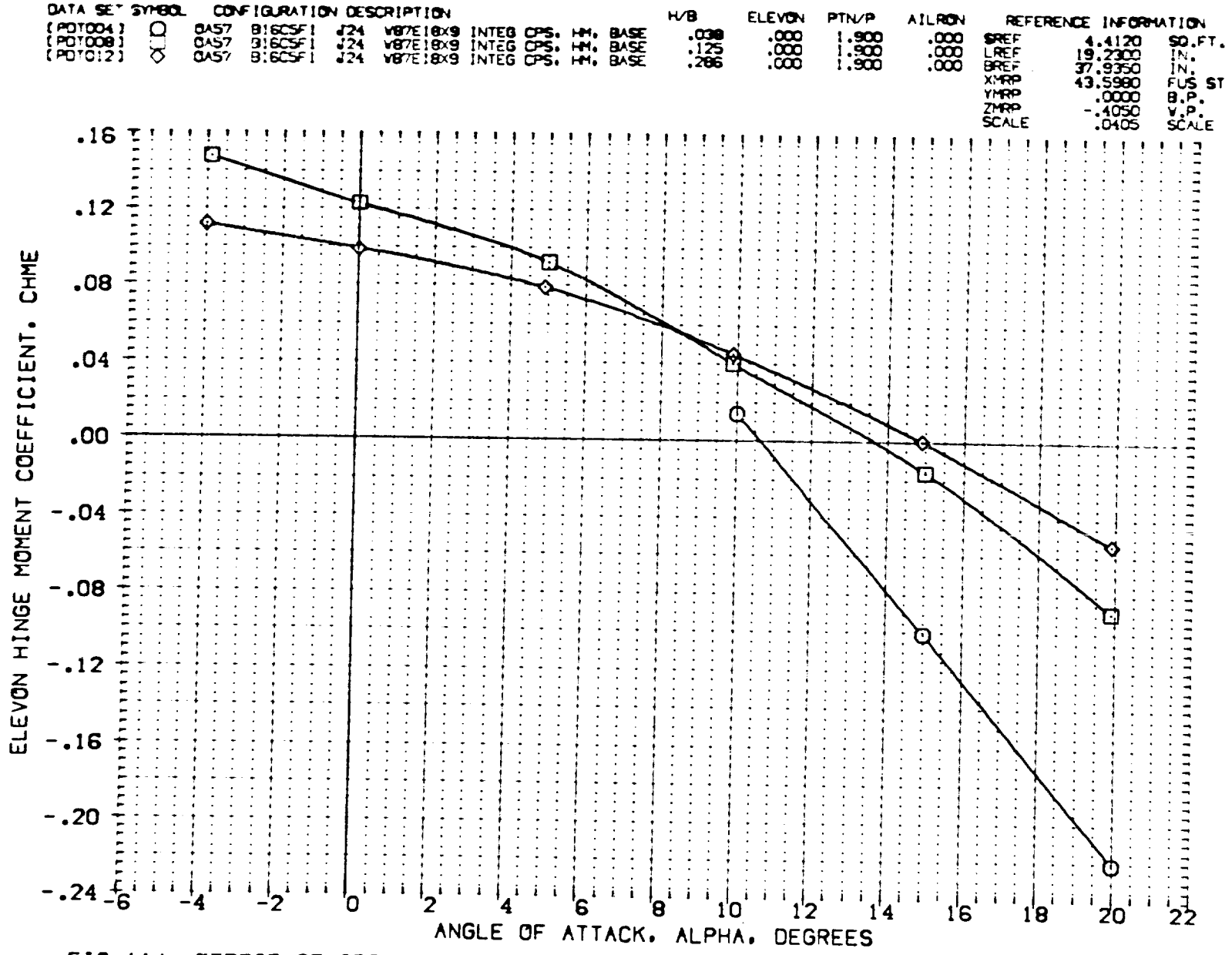


FIG 114 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH 0 DEFLN. J24

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION					H/B	ELEVON	PTN/P	AILRON
(PDT004)	○	0A57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	.038	.000	1.900	.000
(PDT008)	□	0A57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	.125	.000	1.900	.000
(PDT012)	◇	0A57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	.286	.000	1.900	.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

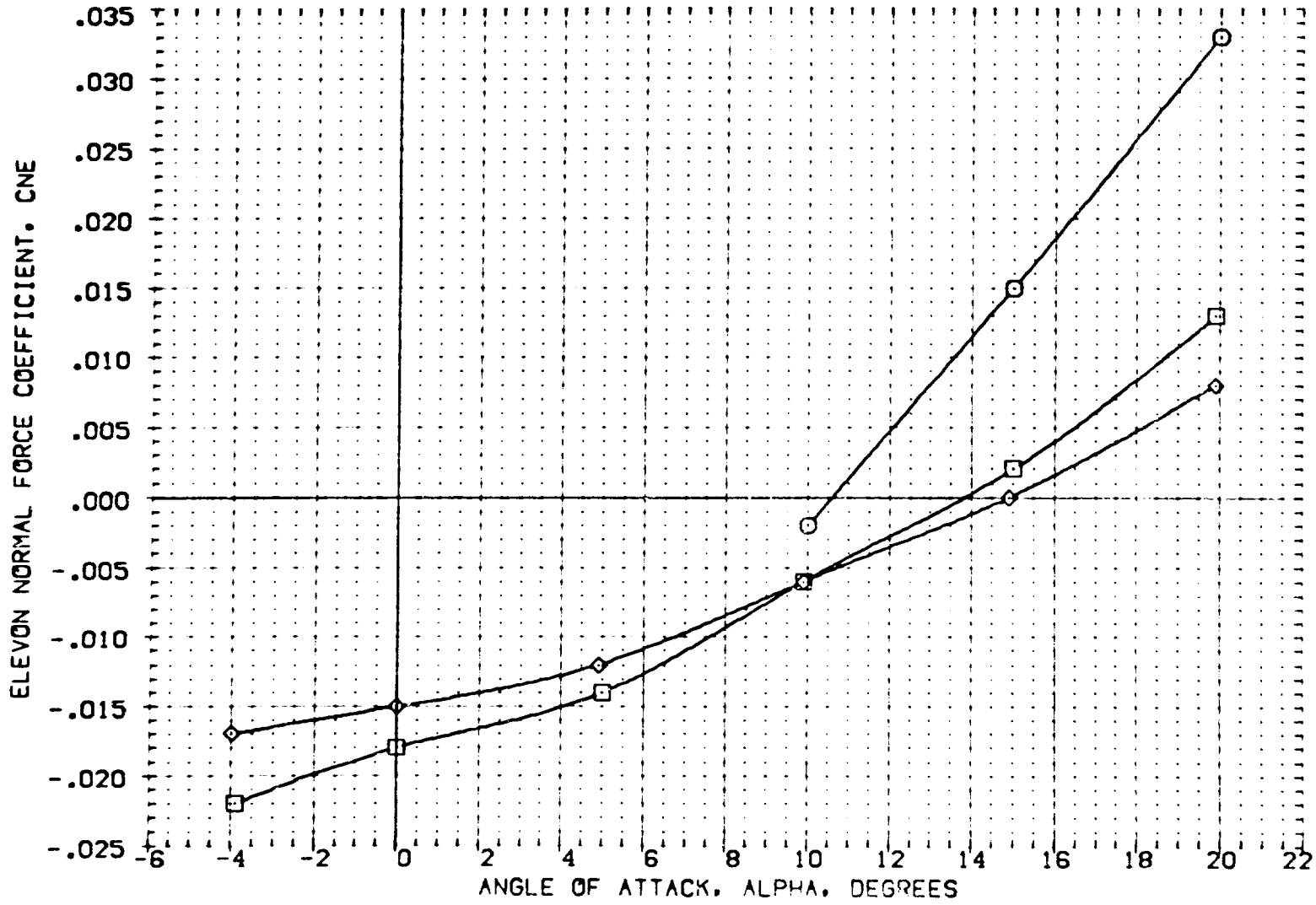


FIG 114 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH 0 DEFLN, J24

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	H/B	ELEVON	PTN/P	AILRON
(POTO24)	□	CA57 B16C5F1 J24 W87E18X9 INTEG CPS. HM. BASE	.038	15.000	1.900	.000
(POTO20)	△	CA57 B16C5F1 J24 W87E18X9 INTEG CPS. HM. BASE	.125	15.000	1.900	.000
(POTO16)	◇	CA57 B16C5F1 J24 W87E18X9 INTEG CPS. HM. BASE	.286	15.000	1.900	.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

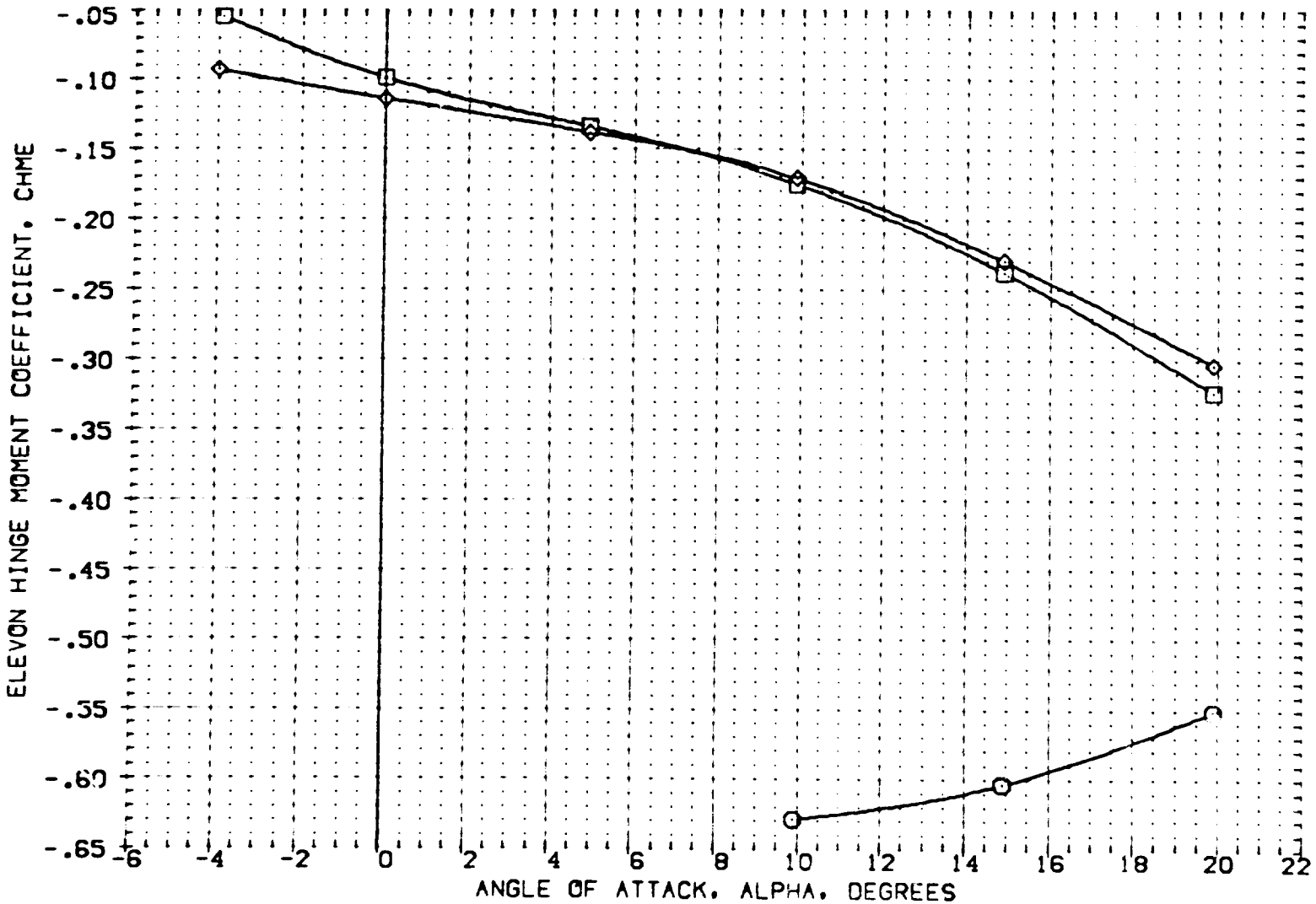


FIG 115 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH 15 DEFLN, J24

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	H/B	ELEVON	PTN/P	AILRON
[PDT024]	○	BAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	.038	15.000	1.900	.000
[PDT020]	□	BAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	.125	15.000	1.900	.000
[PDT016]	◇	BAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	.286	15.000	1.900	.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

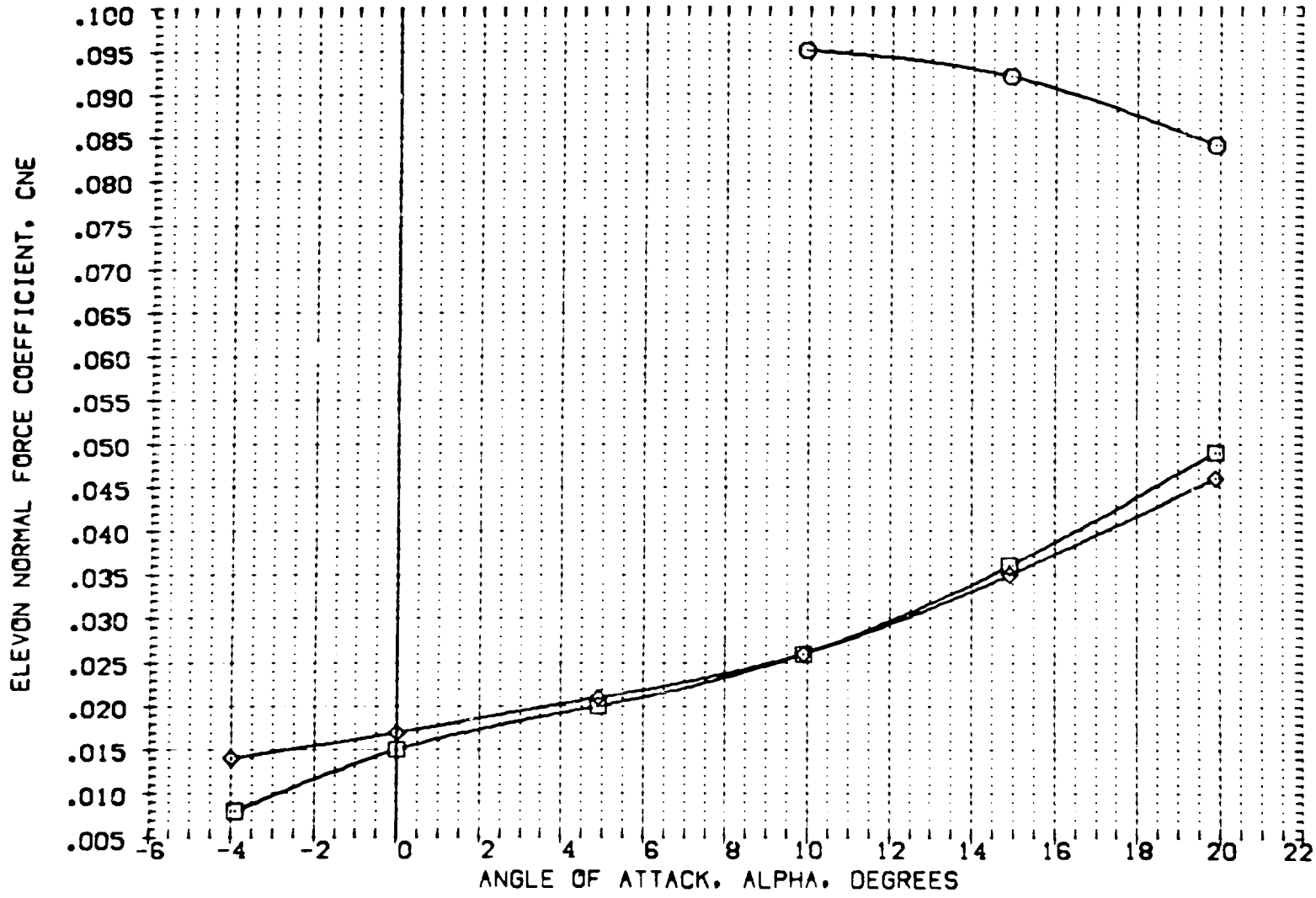


FIG 115 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH 15 DEFLN, J24

(A)MACH = .16

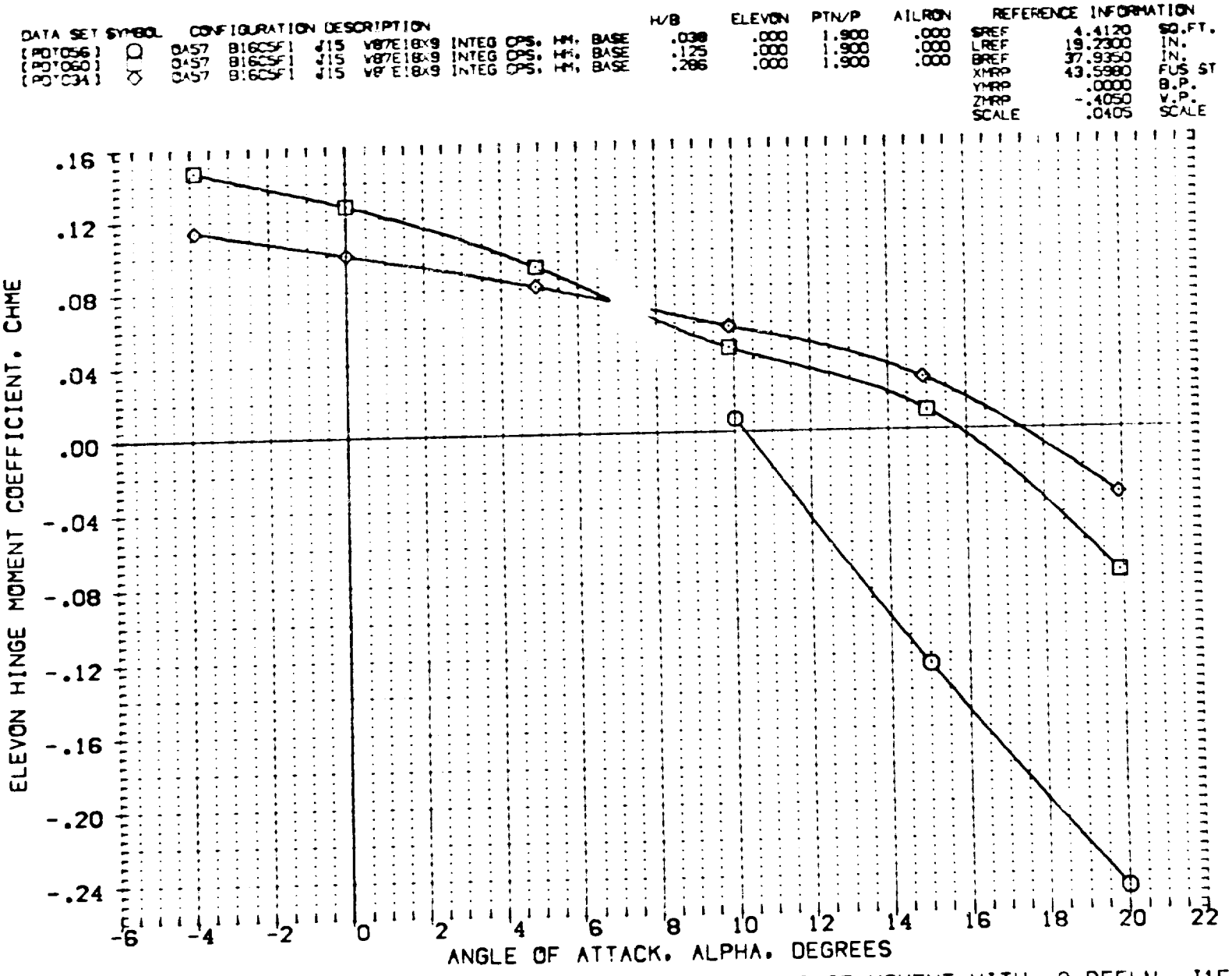


FIG 116 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH 0 DEFLN, J15

(A)MACH = .16

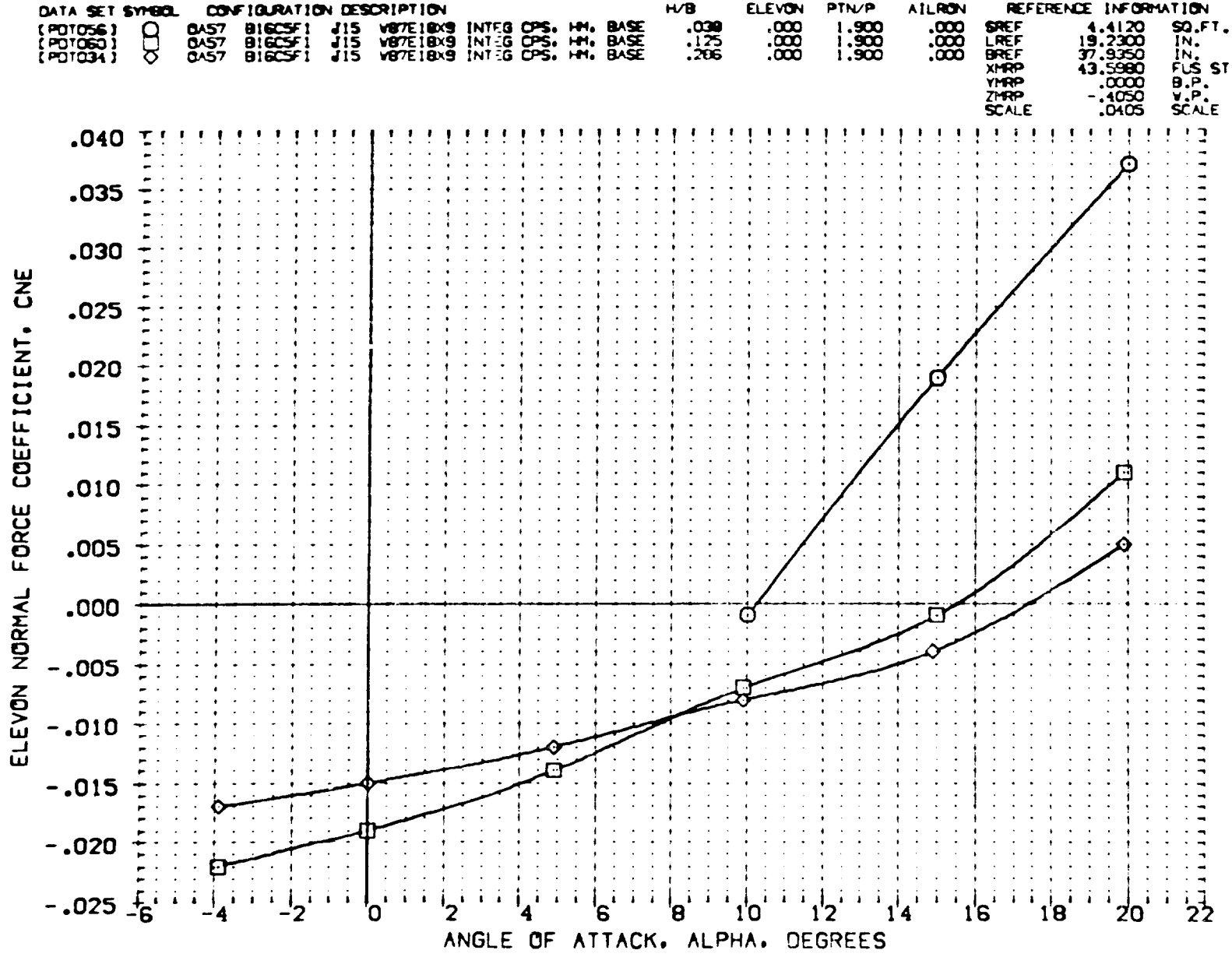


FIG 116 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH 0 DEFLN, J15

(A)MACH = .16

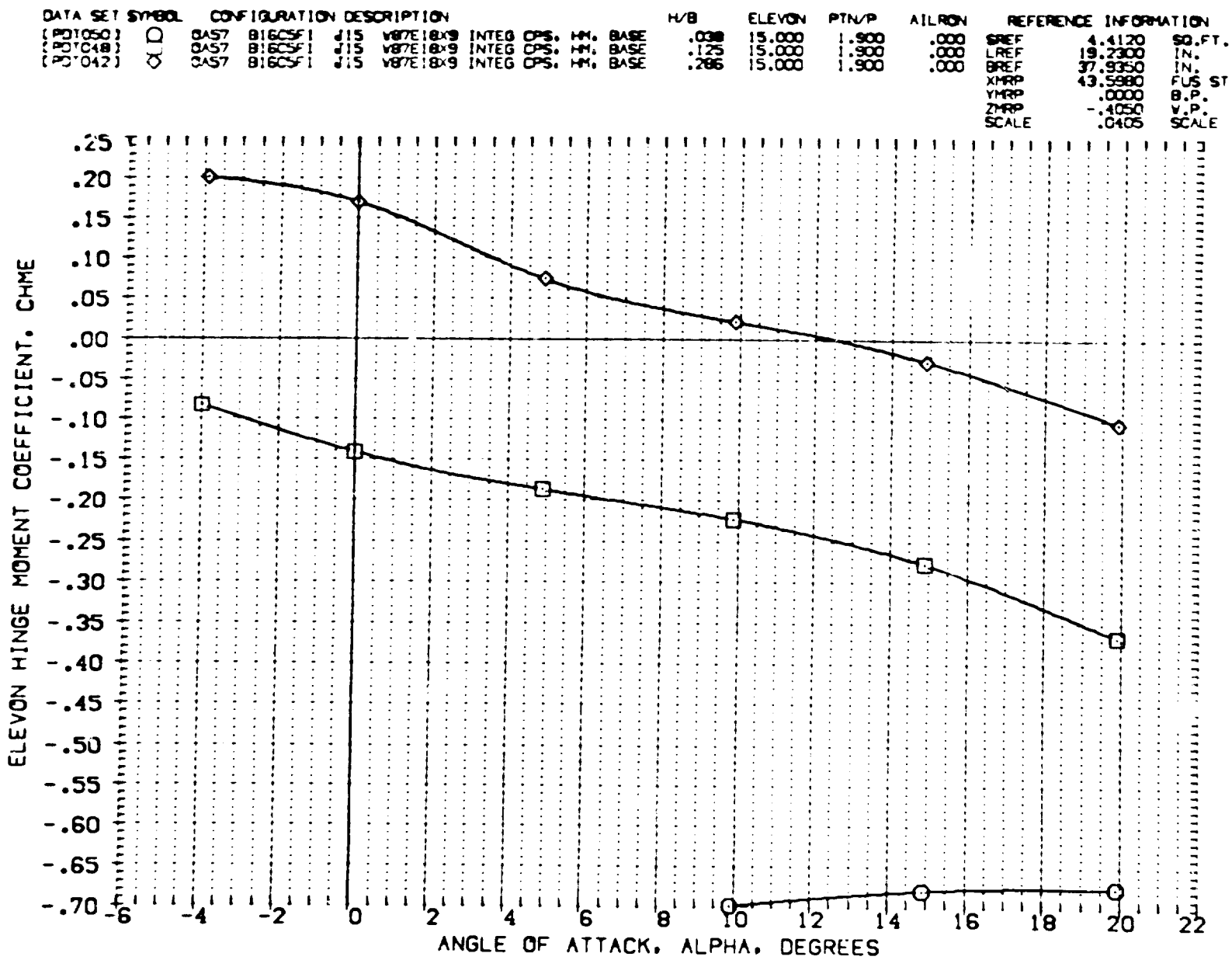


FIG 117 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH 15 DEFLN, J15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	H/B	ELEVON	PTN/P	AILRON
(PDT050)	○	BA57 B16CSF1 J15 V87E18X9 INTEG CPS. HM. BASE	.038	15.000	1.900	.000
(PDT048)	□	BA57 B16CSF1 J15 V87E18X9 INTEG CPS. HM. BASE	.125	15.000	1.900	.000
(PDT042)	◇	BA57 B16CSF1 J15 V87E18X9 INTEG CPS. HM. BASE	.286	15.000	1.900	.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5680	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

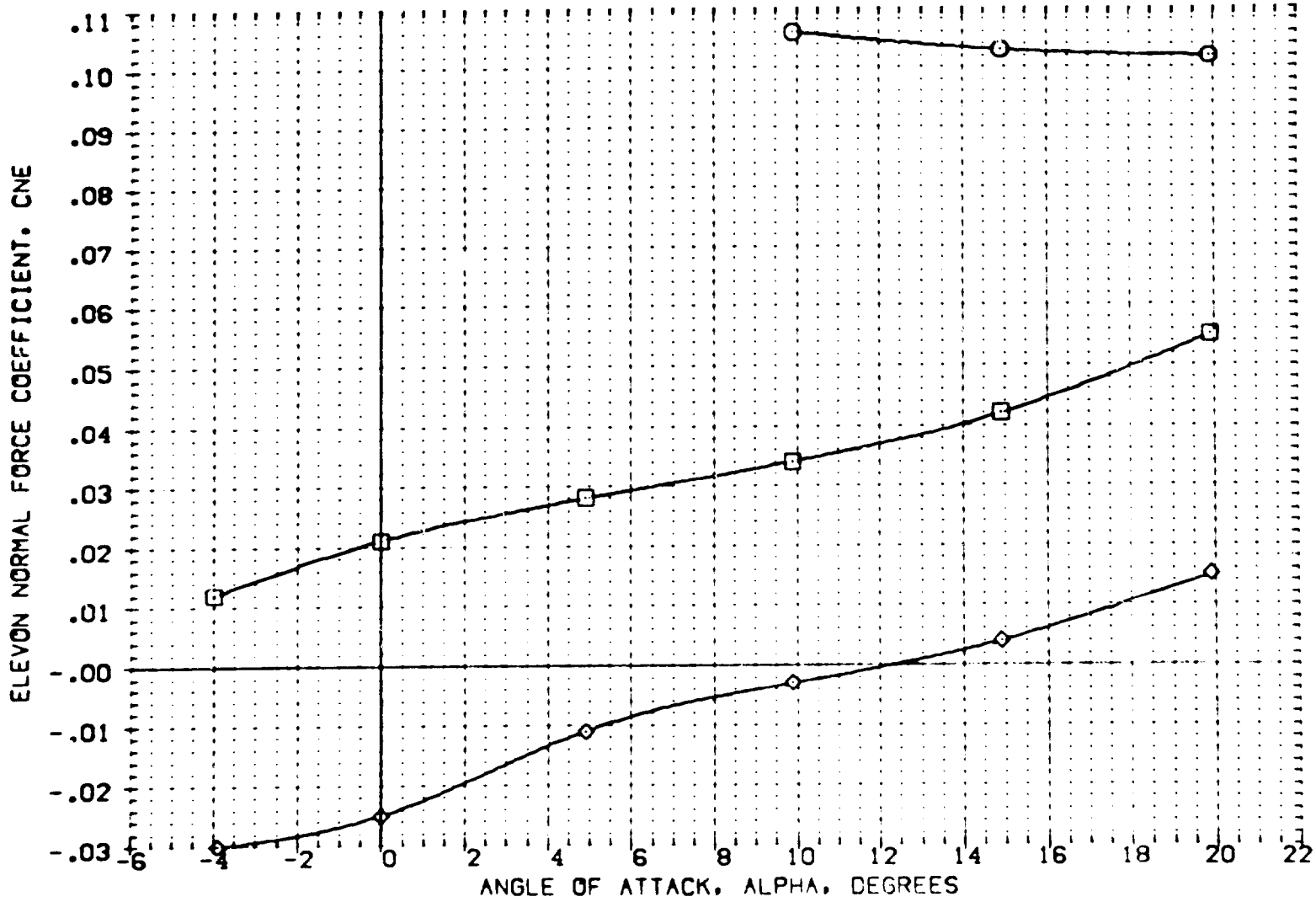


FIG 117 EFFECT OF GROUND PLANE HEIGHT ON ELEVON HINGE MOMENT WITH J5 DEFLN, J15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION					PTN/P	H/B	ELEVON	BDFLAP
[illegible]	□	BAS7	B16C5F1	J24	V87E18X9	INTEG CPS. HM. BASE	1.000	.038	.000	-10.000
[illegible]	◇	BAS7	B16C5F1	J24	V87E18X9	INTEG CPS. HM. BASE	1.500	.038	.000	-10.000
[illegible]	◇	BAS7	B16C5F1	J24	V87E18X9	INTEG CPS. HM. BASE	1.900	.038	.000	-10.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

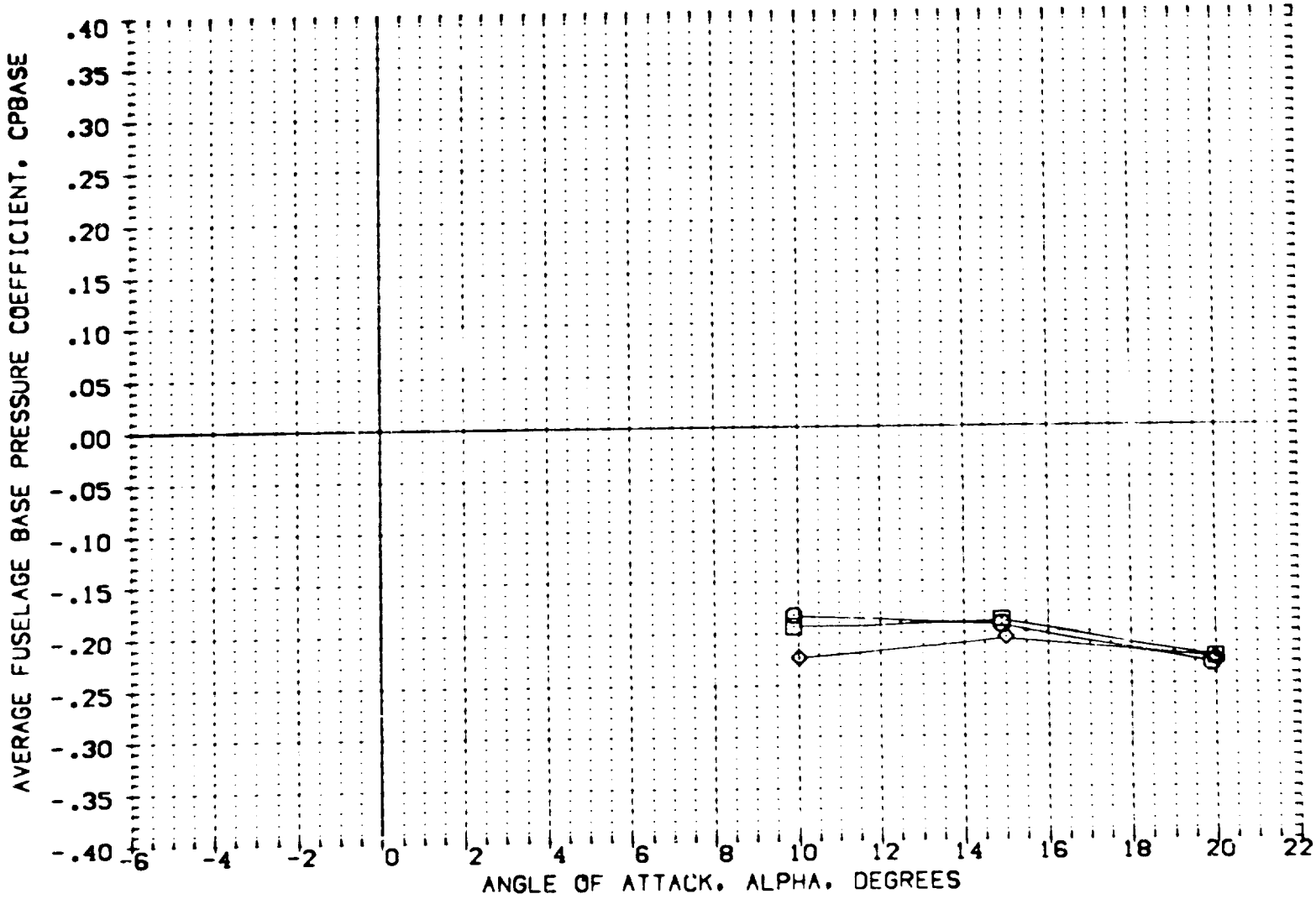


FIG 118 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.038 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BDFLAP
[CDT005]	○	OAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HH. BASE	1.000	.125	.000	-10.000
[CDT007]	□	OAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HH. BASE	1.500	.125	.000	-10.000
[CDT008]	◇	OAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HH. BASE	1.900	.125	.000	-10.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	0.75	SCALE

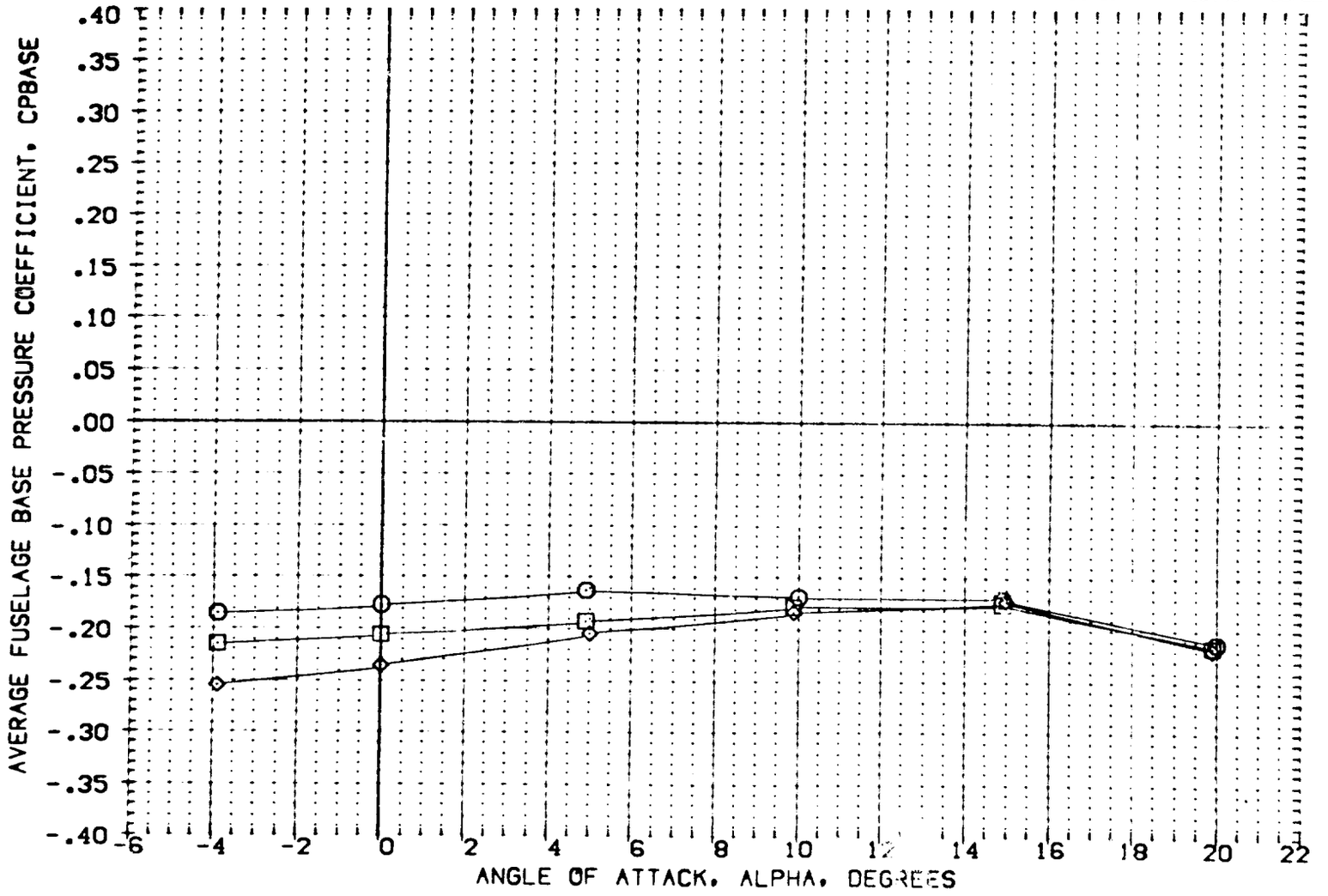


FIG 119 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.125 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BOFLAP
[0]T009]	□	CA57 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.000	.286	.000	-18.000
[0]T010]	□	CA57 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.300	.286	.000	-18.000
[0]T012]	◇	CA57 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.900	.286	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

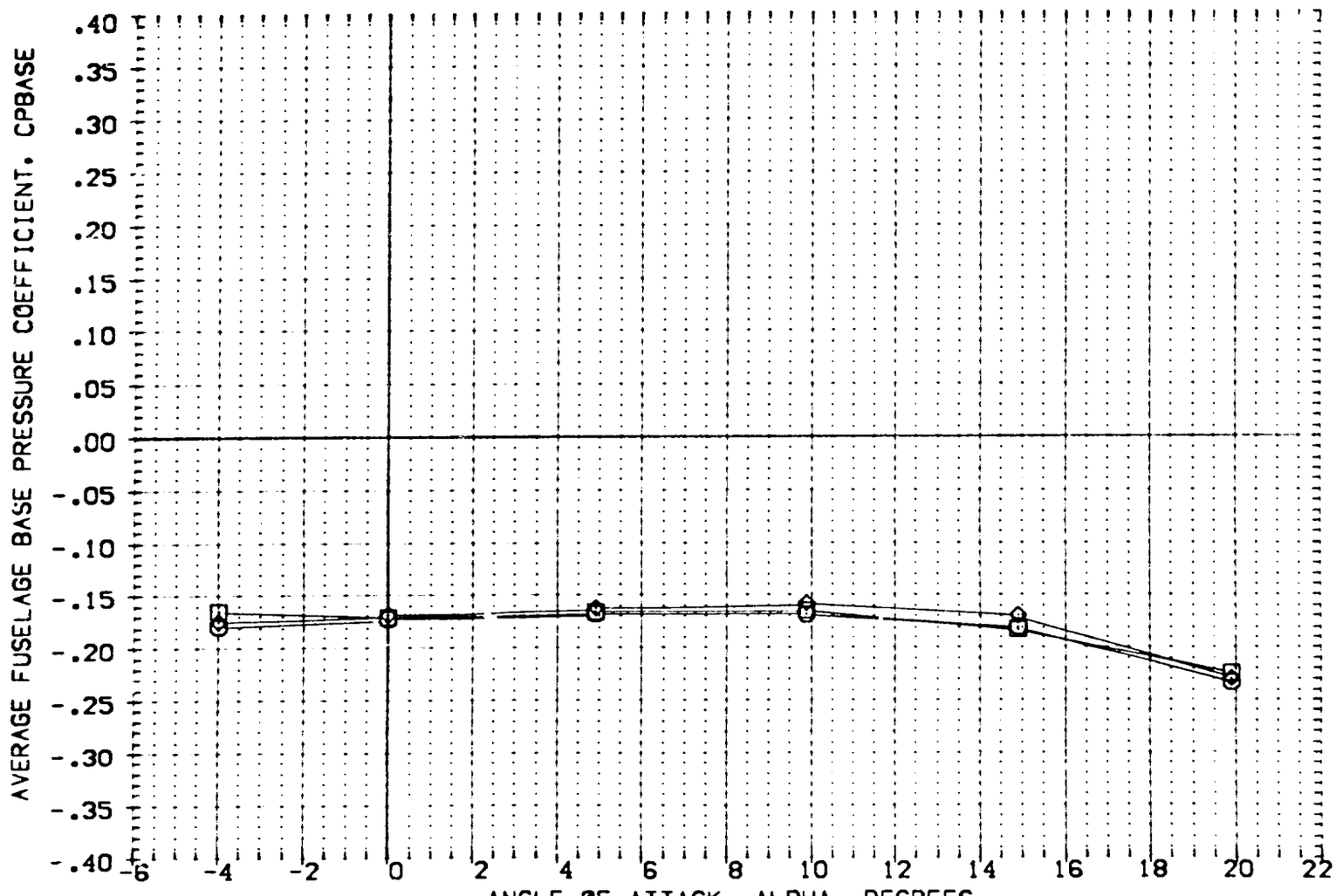


FIG 120 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.286 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION					PTN/P	H/B	ELEVON	BDFLAP
[COT022]	○	0A57	B16C5F1	J24	V87E18X9	INTEG CPS. HN. BASE	1.000	.038	15.000	-18.000
[COT023]	□	0A57	B16C5F1	J24	V87E18X9	INTEG CPS. HN. BASE	1.500	.038	15.000	-18.000
[COT024]	◇	0A57	B16C5F1	J24	V87E18X9	INTEG CPS. HN. BASE	1.900	.038	15.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

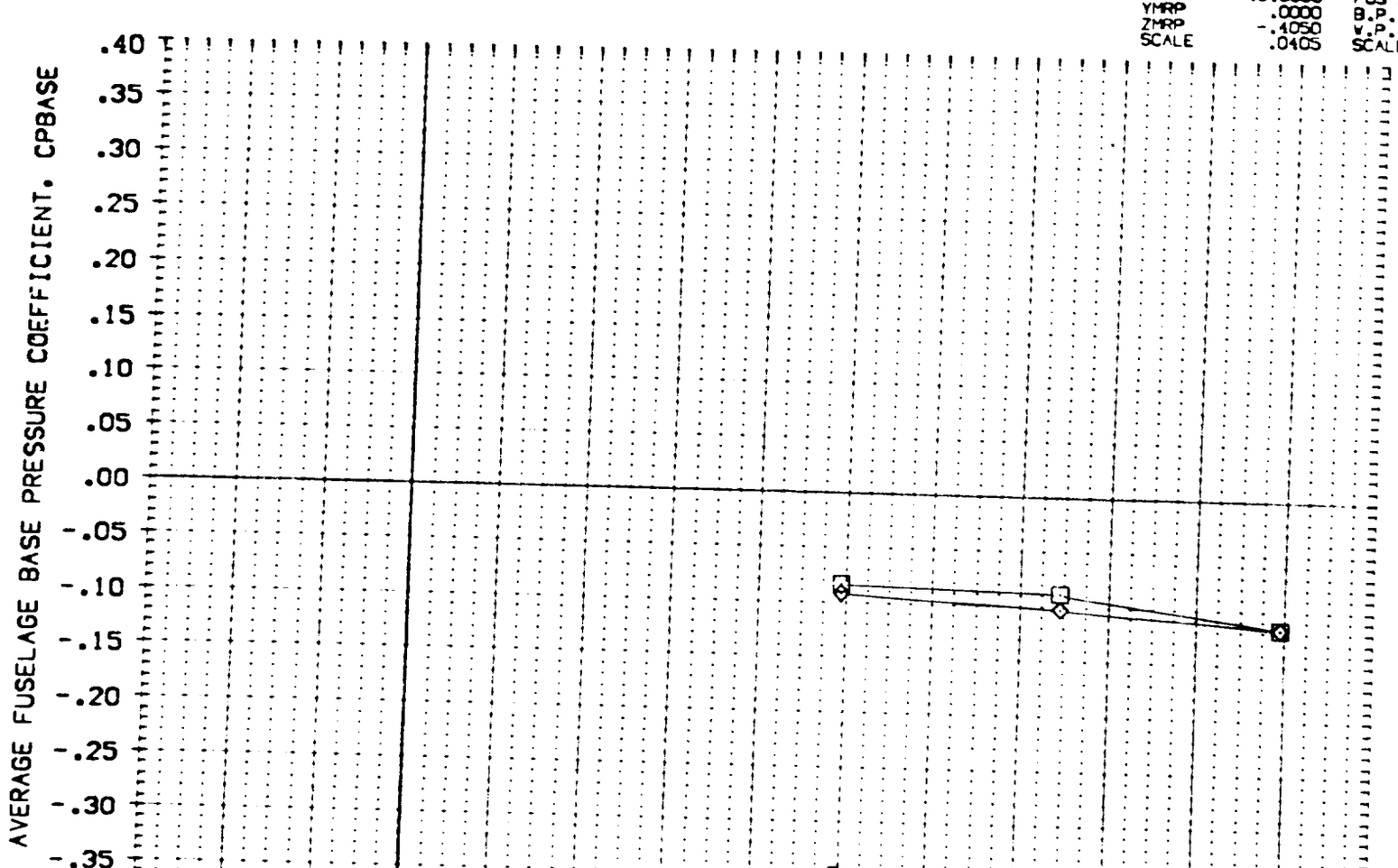


FIG 121 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.038 ELEVON= 15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BOFLAP
[□T018]	□	OAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.000	.125	15.000	-18.000
[□T019]	○	OAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.500	.125	15.000	-18.000
[□T020]	◇	OAS7 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.900	.125	15.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

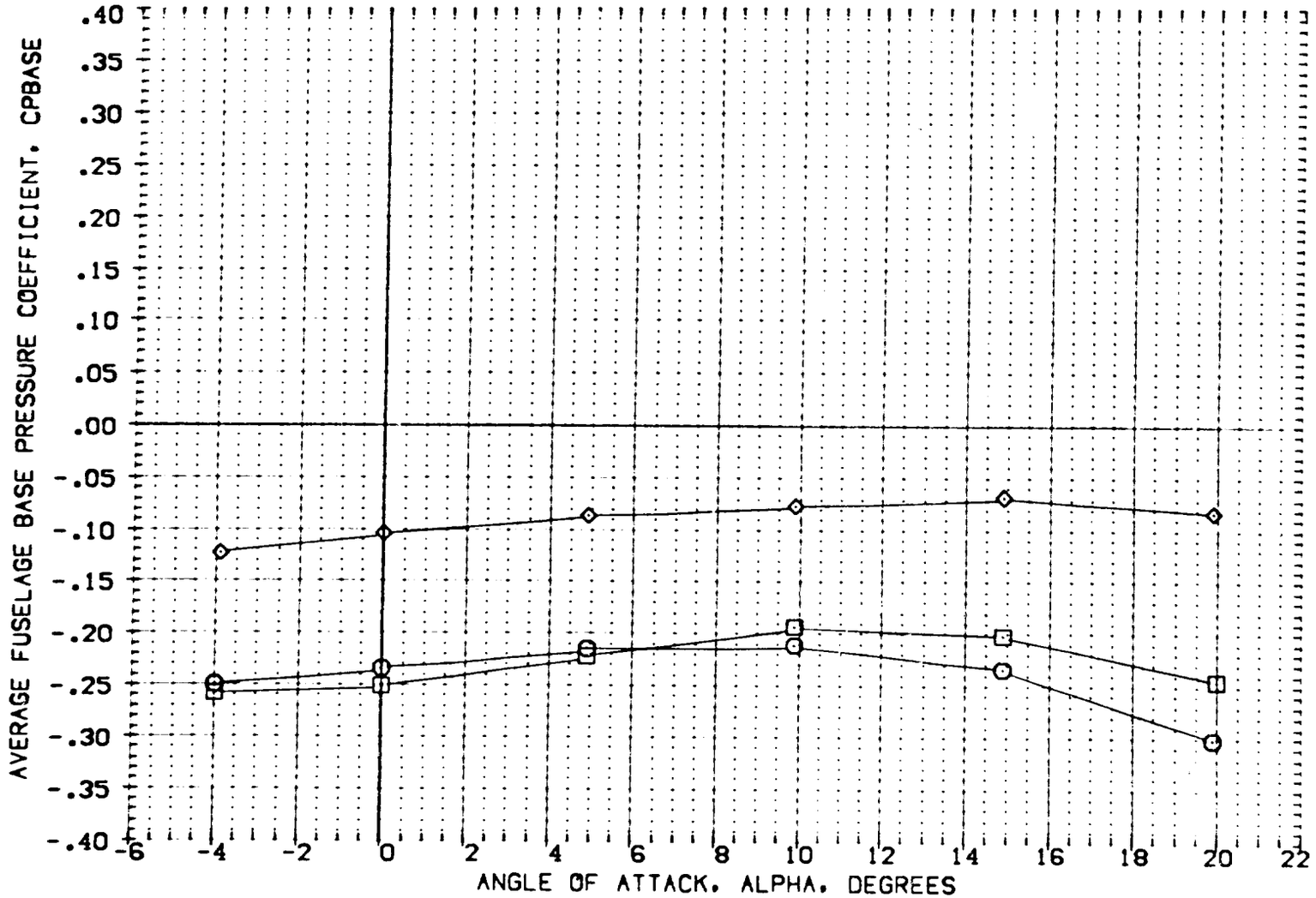


FIG 122 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.125 ELEVON= 15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION					PTN/P	H/B	ELEVON	BOFLAP
(CDTO13)	○	0A57	B16C5F1	J24	V87E18X9	INTEG CPS. HM. BASE	1.000	.286	15.000	-18.000
(CDTO14)	□	0A57	B16C5F1	J24	V87E18X9	INTEG CPS. HM. BASE	1.300	.266	15.000	-18.000
(CDTO16)	◇	0A57	B16C5F1	J24	V87E18X9	INTEG CPS. HM. BASE	1.900	.286	15.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

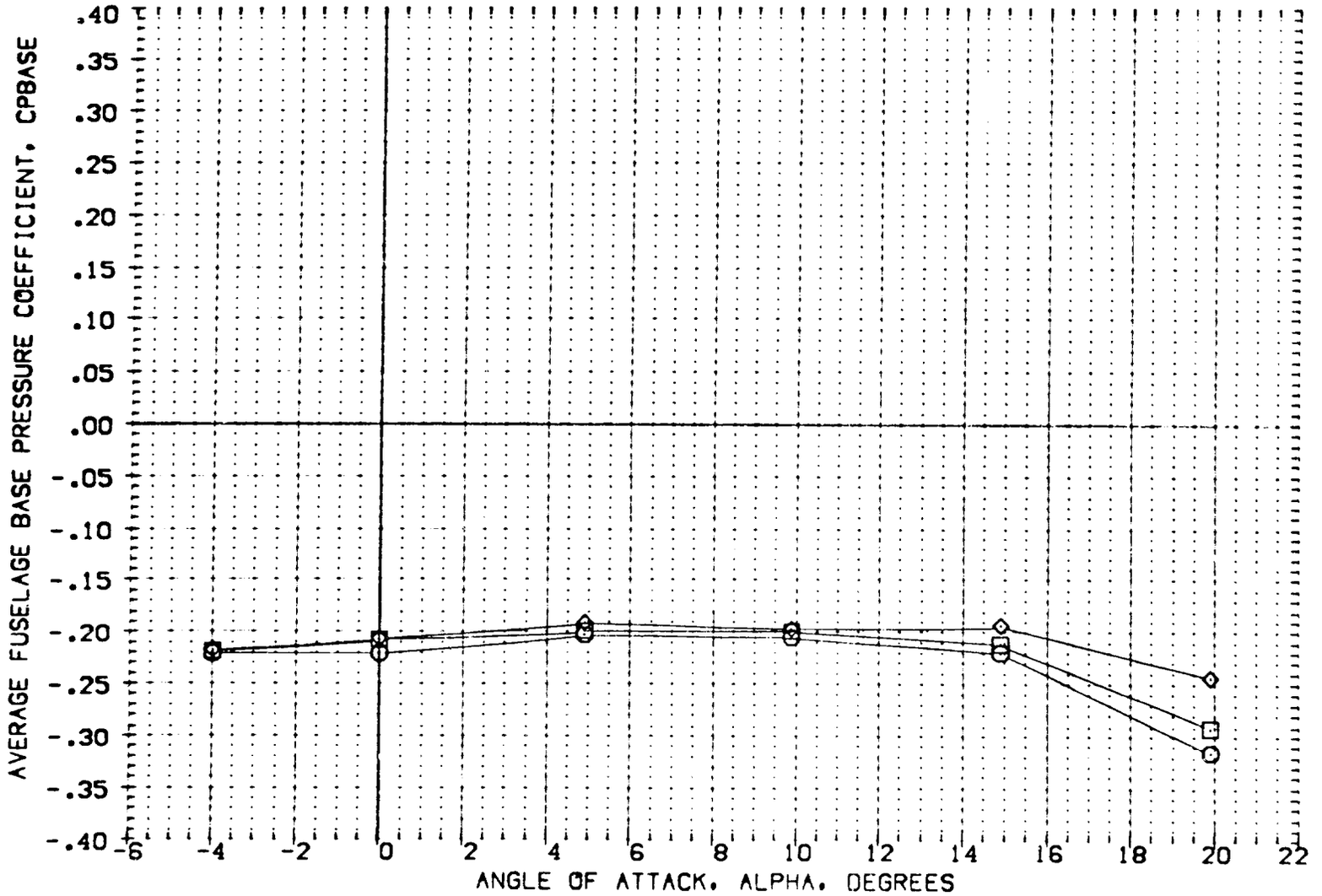


FIG 123 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.286 ELEVON= 15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION					PTN/P	H/B	ELEVON	BOFLAP
(CDT025)	○	BA57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	1.000	.038	-15.000	-18.000
(CDT026)	□	BA57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	1.500	.038	-15.000	-18.000
(CDT027)	◇	BA57	B16CSF1	J24	V87E18X9	INTEG CPS. HM. BASE	1.900	.038	-15.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

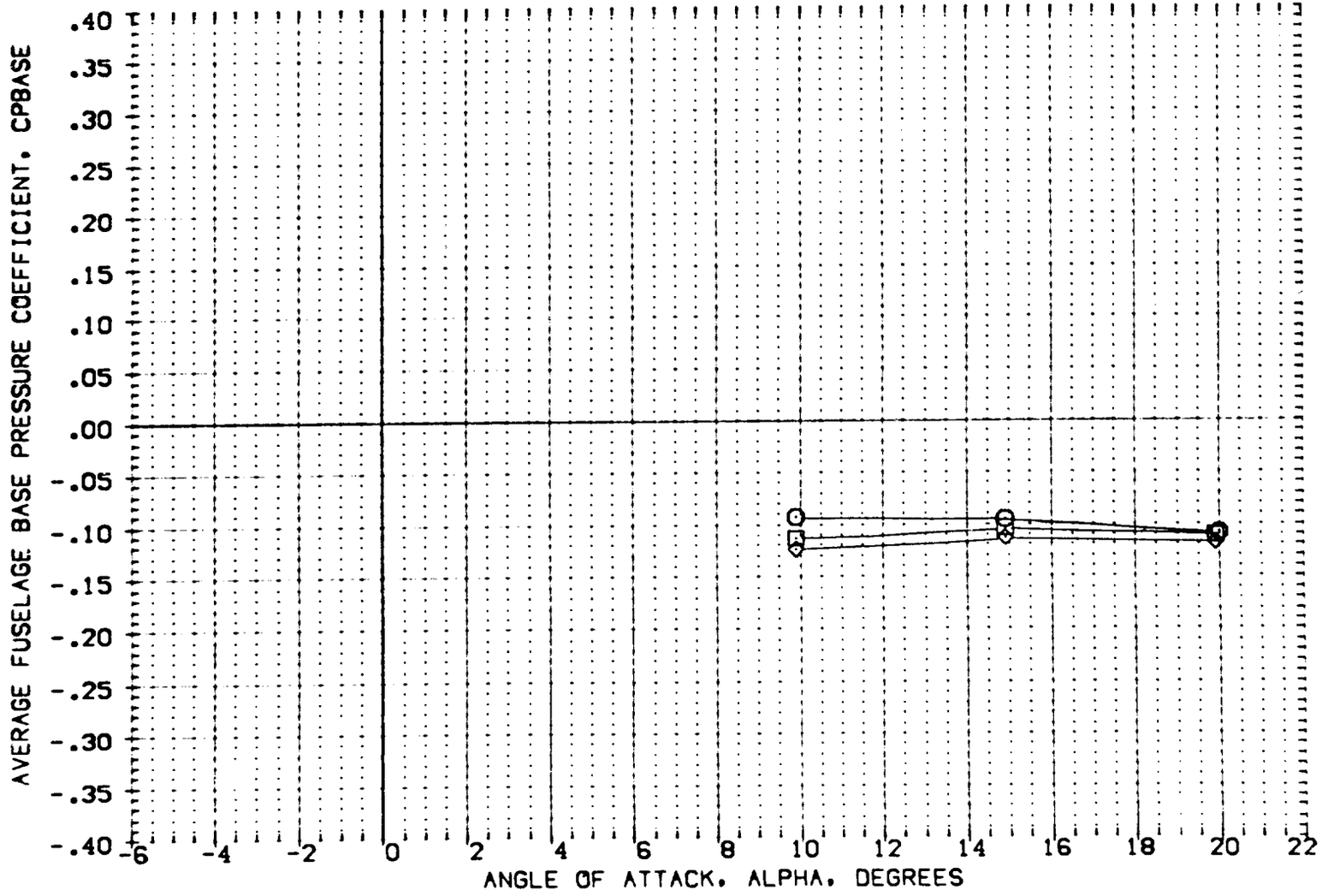


FIG 124 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.038 ELEVON=-15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BDFLAP
[OT029]	○	OAS7 B16C5F1 J24 V87E18X9 INTEG CPS. HH. BASE	1.000	.125	-15.000	-18.000
[OT030]	□	OAS7 B16C5F1 J24 V87E18X9 INTEG CPS. HH. BASE	1.500	.125	-15.000	-18.000
[OT032]	◇	OAS7 B16C5F1 J24 V87E18X9 INTEG CPS. HH. BASE	1.900	.125	-15.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5900	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

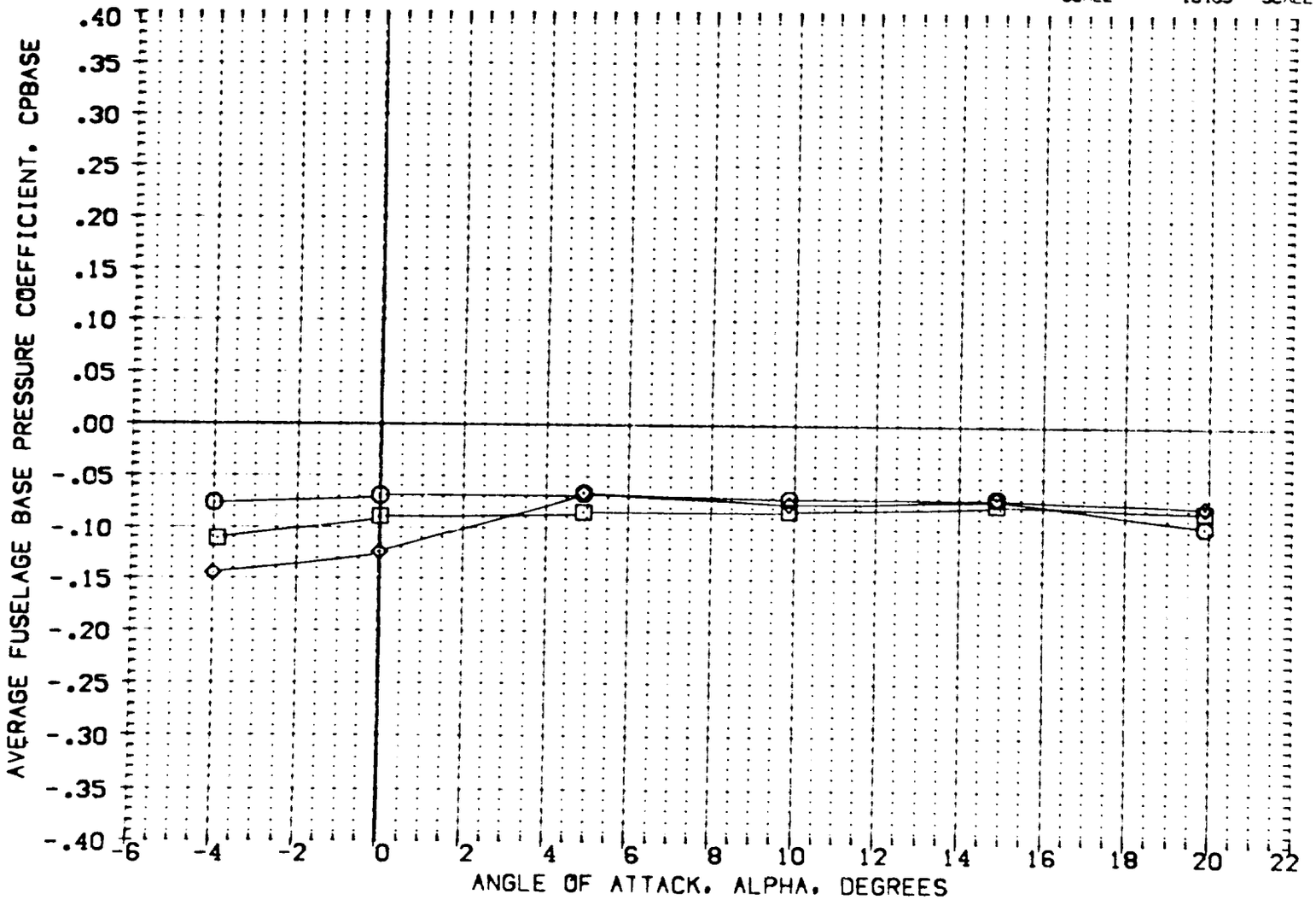


FIG 125 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J24 H/B=.125 ELEVON=-15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BDFLAP
[OTO57]	○	DA57 B16CSF1 J15 V87E18X9 INTEG CPS. HH. BASE	1.000	.038	.000	-18.000
[OTO56]	□	DA57 B16CSF1 J15 V87E18X9 INTEG CPS. HH. BASE	1.900	.038	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

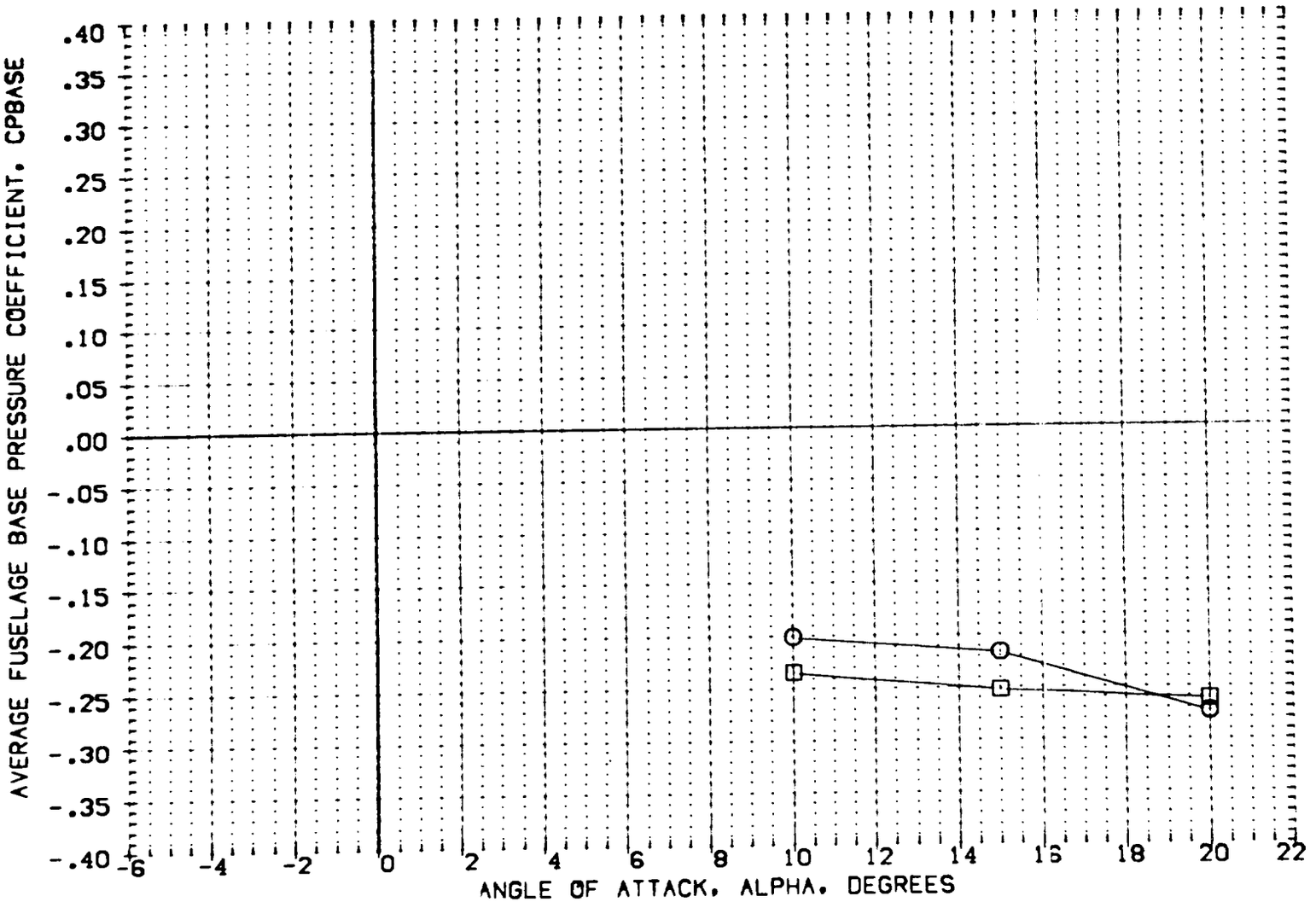


FIG 126 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B=.038 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BOFLAP
[CDTO61]	○	BASE B16CSF1 J15 V87E18X9 INTEG CPS. HH. BASE	1.000	.125	.000	-18.000
[CDTO60]	□	BASE B16CSF1 J15 V87E18X9 INTEG CPS. HH. BASE	1.900	.125	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

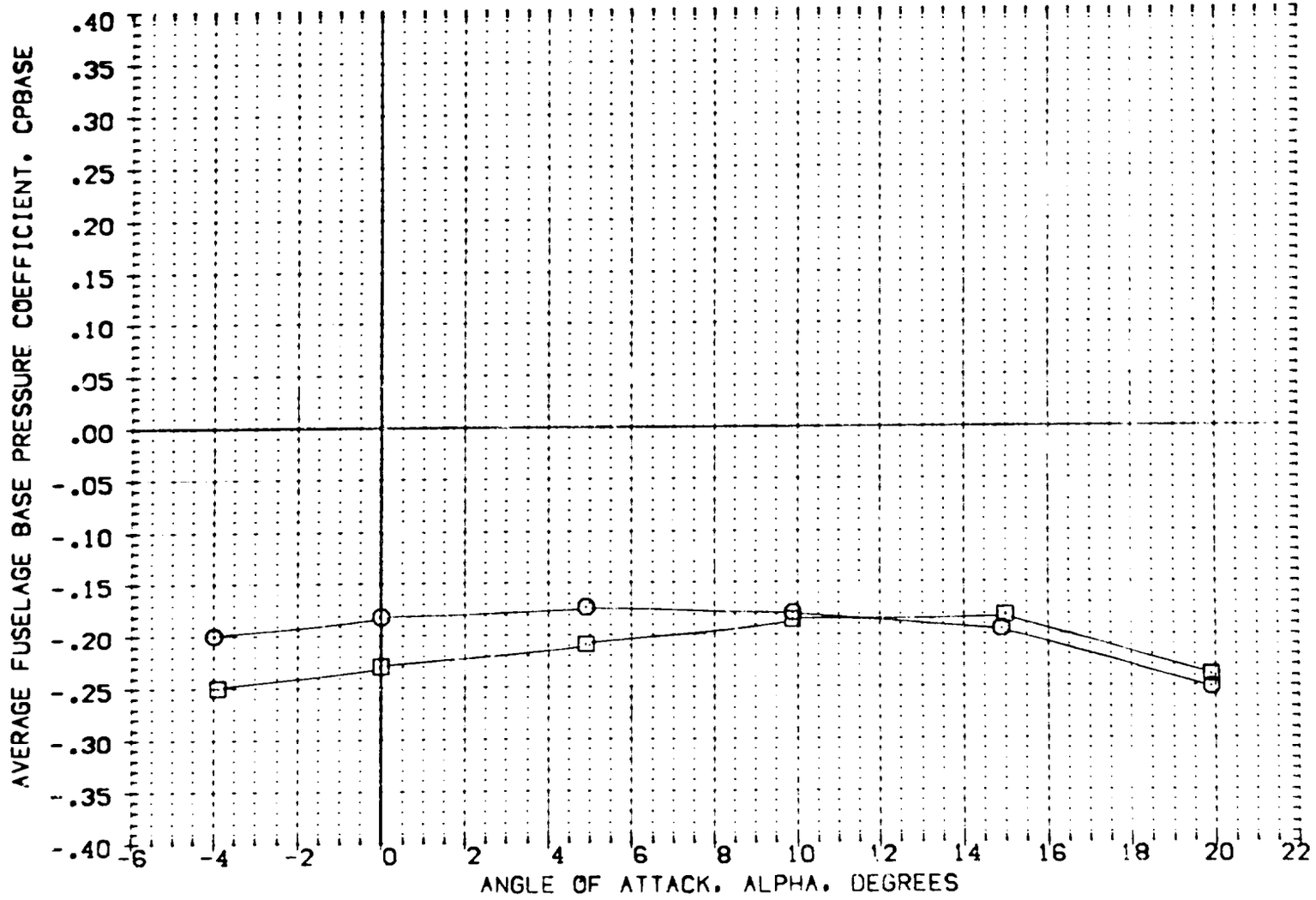


FIG 127 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B=.125 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION						PTN/P	H/B	ELEVON	BDFLAP
(CDT033)	□	0A57	B16C5F1	J15	V87E18X9	INTEG CPS. HM. BASE		1.000	.286	.000	-18.000
(CDT035)	◇□	0A57	B16C5F1	J15	V87E18X9	INTEG CPS. HM. BASE		1.300	.286	.000	-18.000
(CDT034)	◇	0A57	B16C5F1	J15	V87E18X9	INTEG CPS. HM. BASE		1.900	.286	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

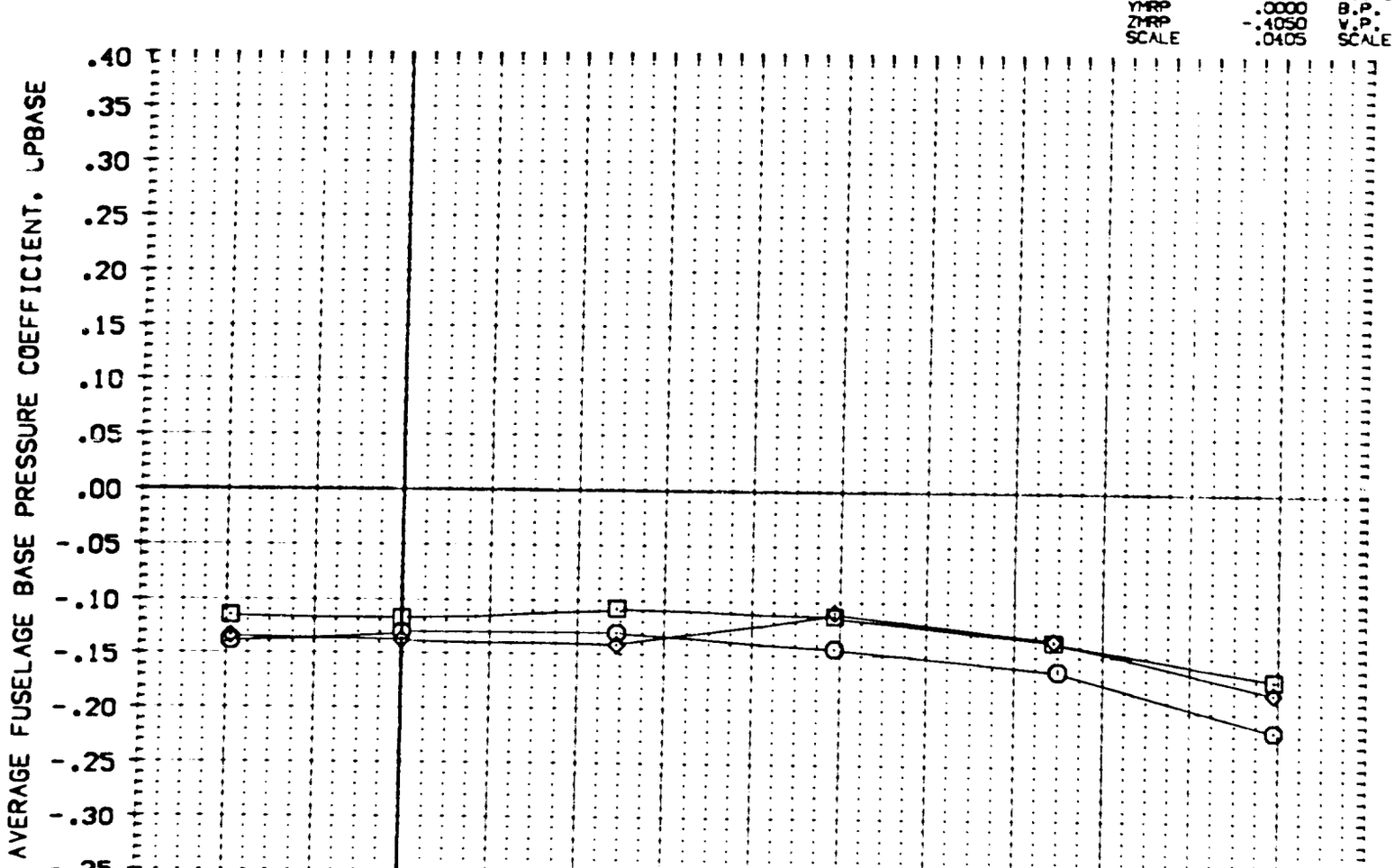


FIG 128 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B=.286 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BDFLAP
(D1052)	□	0AS7 B16C5F1 J15 W87E18X9 INTEG CPS. HM. BASE	1.000	.038	15.000	-18.000
(D1051)	△	0AS7 B16C5F1 J15 W87E18X9 INTEG CPS. HM. BASE	1.300	.038	15.000	-18.000
(D1050)	◇	0AS7 B16C5F1 J15 W87E18X9 INTEG CPS. HM. BASE	1.900	.038	15.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

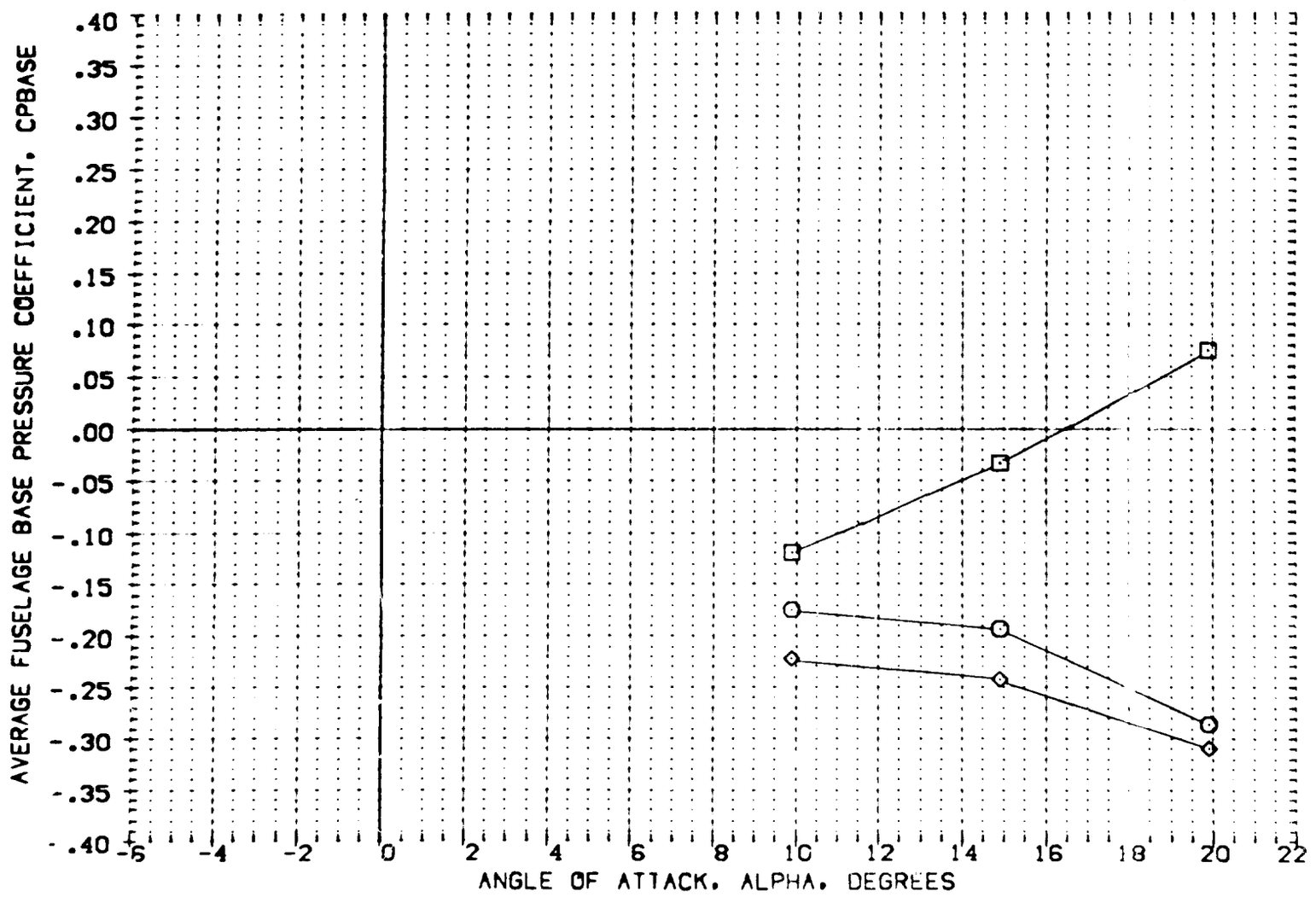


FIG 129 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B=.038 ELEVON= 15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BOFLAP
(CDT047)	○	0A57 B16C5F1 J15 V87E18X9 INTEG CPS. HM. BASE	1.000	.125	15.000	-10.000
(CDT046)	□	0A57 B16C5F1 J15 V87E18X9 INTEG CPS. HM. BASE	1.300	.125	15.000	-10.000
(CDT048)	◇	0A57 B16C5F1 J15 V87E18X9 INTEG CPS. HM. BASE	1.900	.125	15.000	-10.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

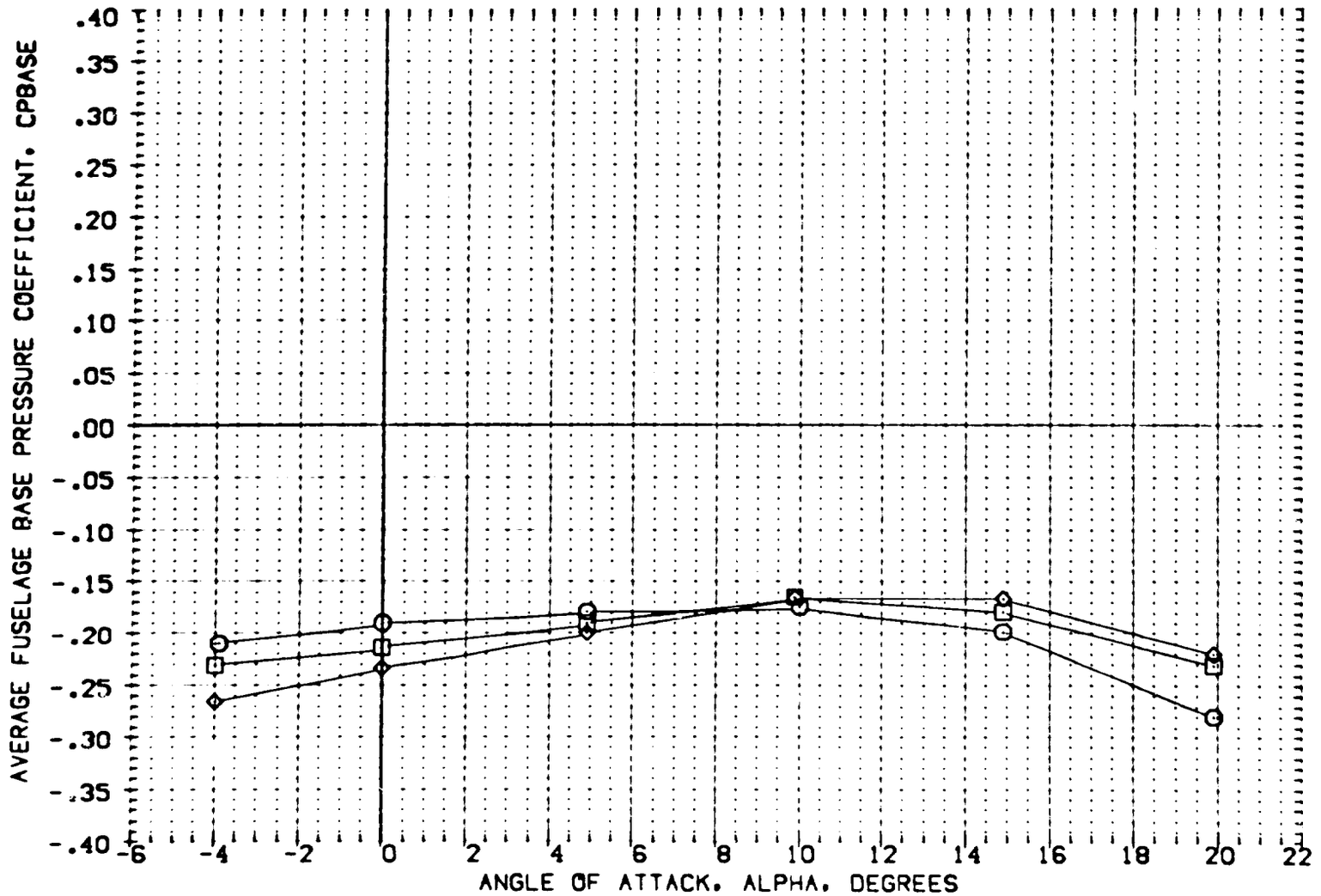


FIG 130 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B=.125 ELEVON= 15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION						PTN/P	H/B	ELEVON	BOFLAP
(CDT044)	□	BAS7	B16CSF1	J15	V87E18X9	INTEG CPS. HM. BASE		1.000	.286	15.000	-18.000
(CDT043)	△	BAS7	B16CSF1	J15	V87E18X9	INTEG CPS. HM. BASE		1.300	.286	15.000	-18.000
(CDT042)	◇	BAS7	B16CSF1	J15	V87E18X9	INTEG CPS. HM. BASE		1.900	.285	15.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

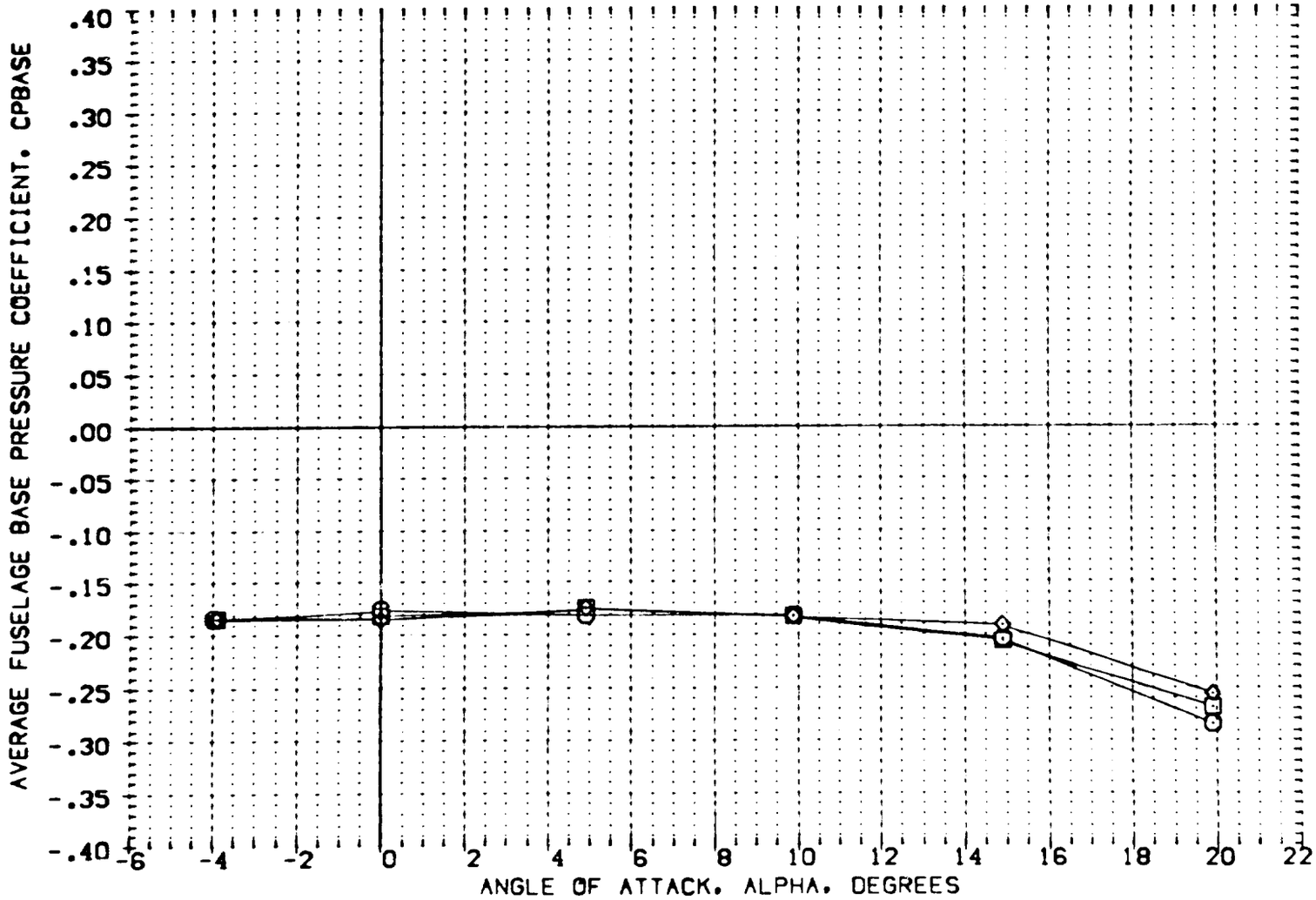


FIG 131 EFFECT OF NOZZLE PRESSURE RATIO ON BASE PRESSURE J15 H/B=.286 ELEVON= 15

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BDFLAP
(CDT002)	□	BAS7 B16C5F1 J24 V87E1BX9 INTEG CPS. HM. BASE	1.000	.038	.000	-18.000
(CDT004)	□	BAS7 B16C5F1 J24 V87E1BX9 INTEG CPS. HM. BASE	1.900	.038	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

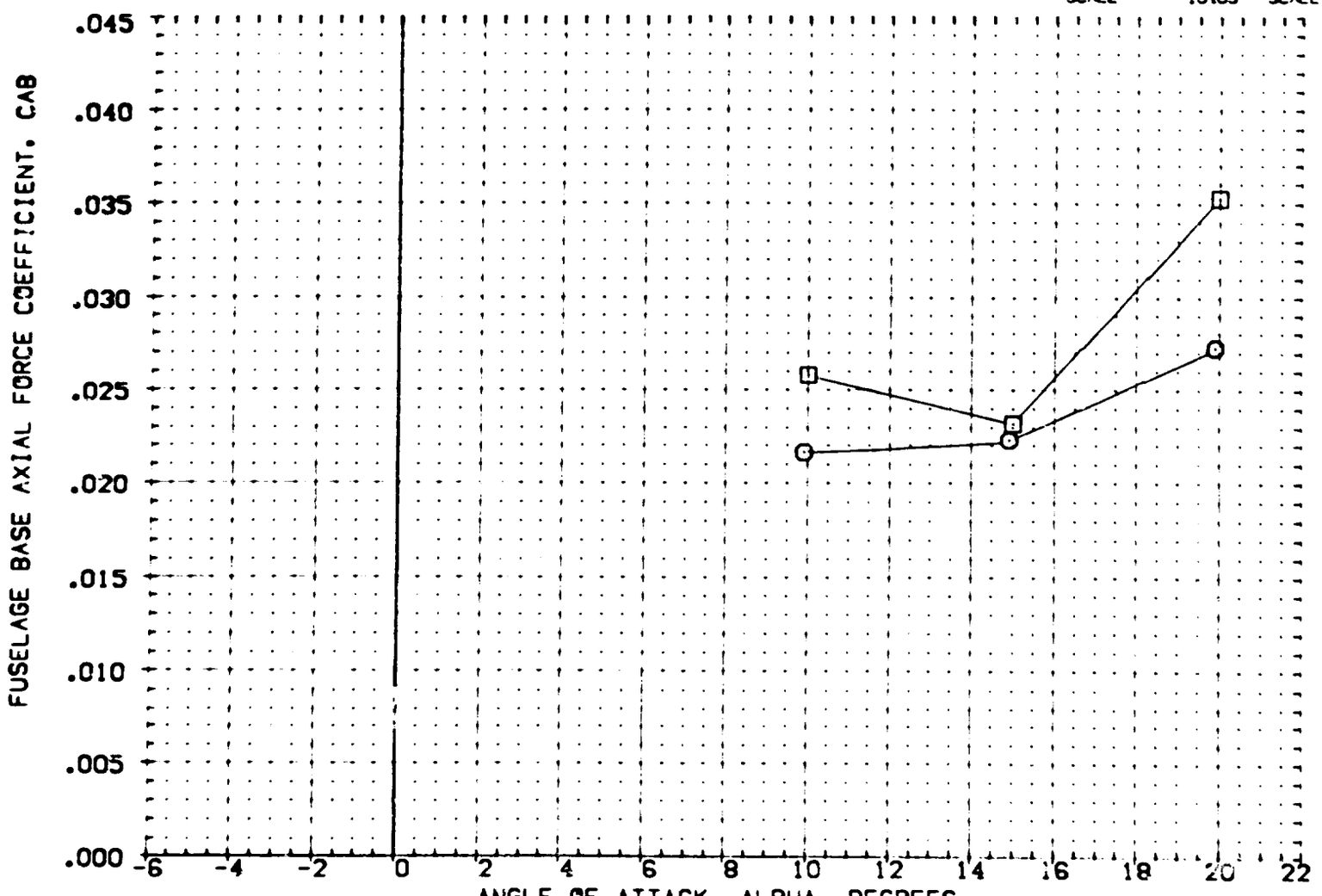


FIG 132 EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J24 H/B=.038 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BDFLAP
[CDT005]	○	0A57 B16C5F1 J24 V87E18X9 INTEG CPS. HH. BASE	1.000	.125	.000	-18.000
[CDT008]	□	0A57 B16C5F1 J24 V87E18X9 INTEG CPS. HH. BASE	1.900	.125	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

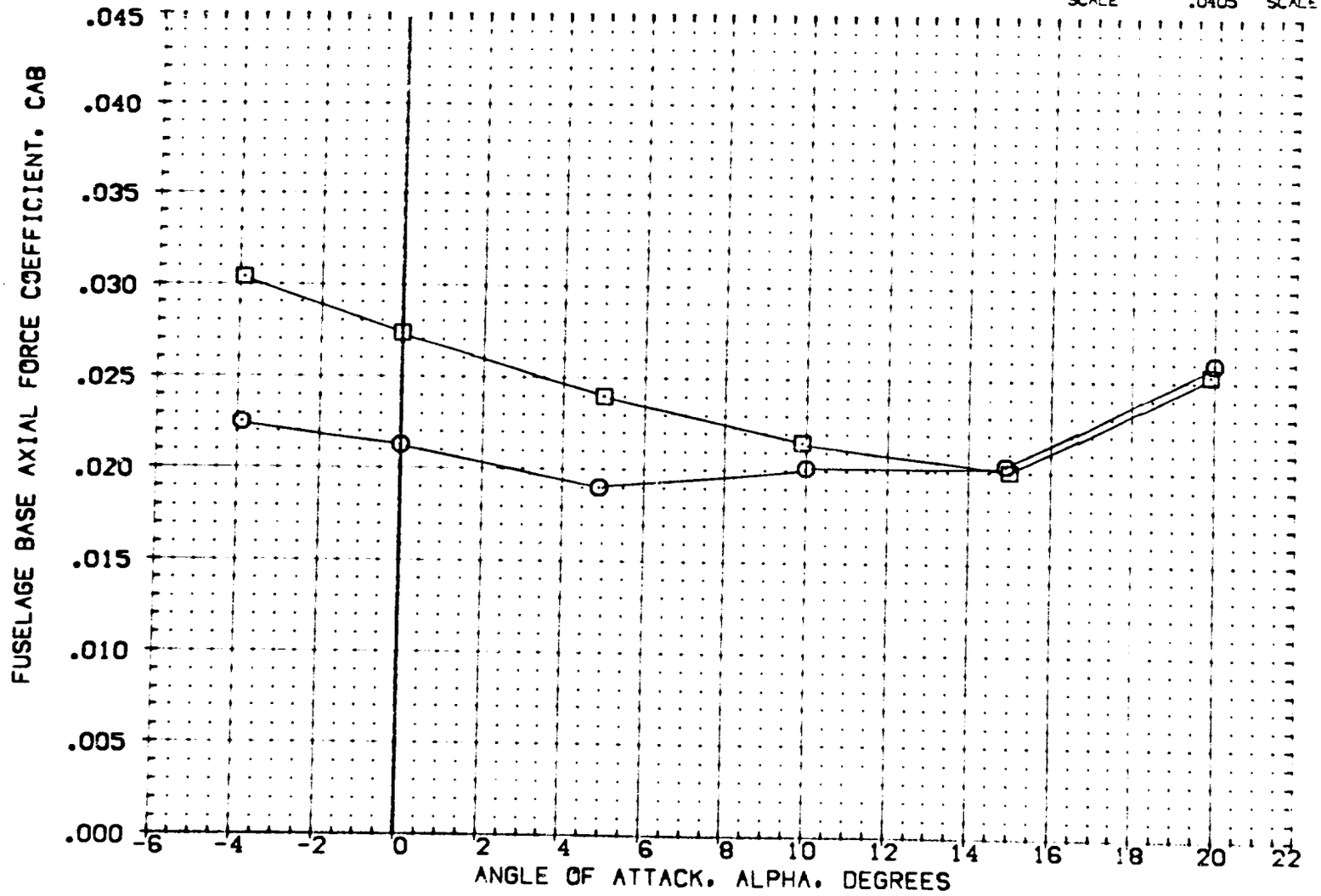


FIG 133 EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J24 H/B=.125 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BDFLAP
(CDT009)	○	0A57 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.000	.286	.000	-18.000
(CDT012)	□	0A57 B16CSF1 J24 V87E18X9 INTEG CPS. HM. BASE	1.900	.286	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

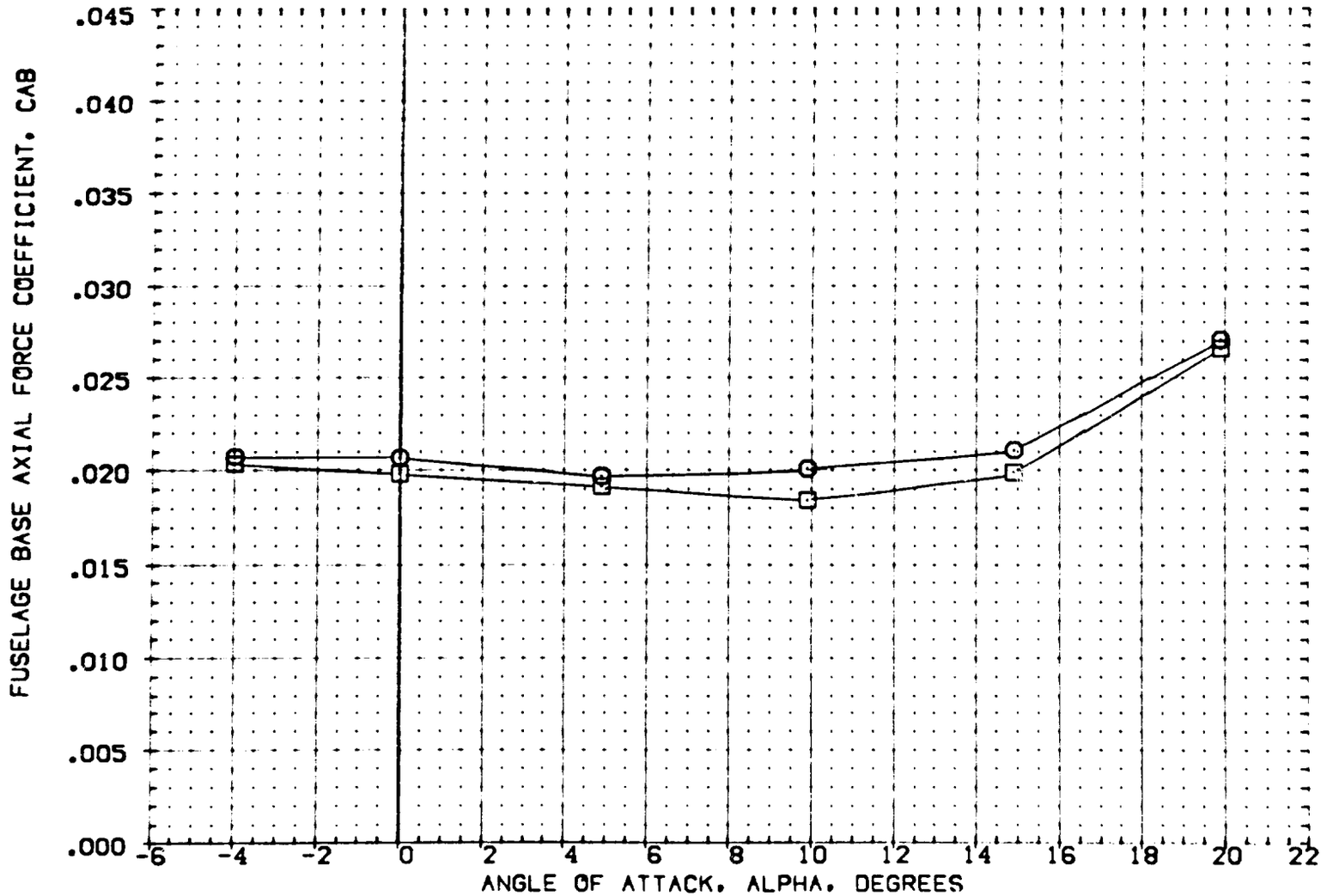


FIG 134 EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J24 H/B=.286 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BOFLAP
(CDTO57)	○	OAS7 B16CSF1 J15 V87E18X9 INTEG CPS. HH. BASE	1.000	.038	.000	-10.000
(CDTO56)	□	OAS7 B16CSF1 J15 V87E18X9 INTEG CPS. HH. BASE	1.900	.038	.000	-10.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

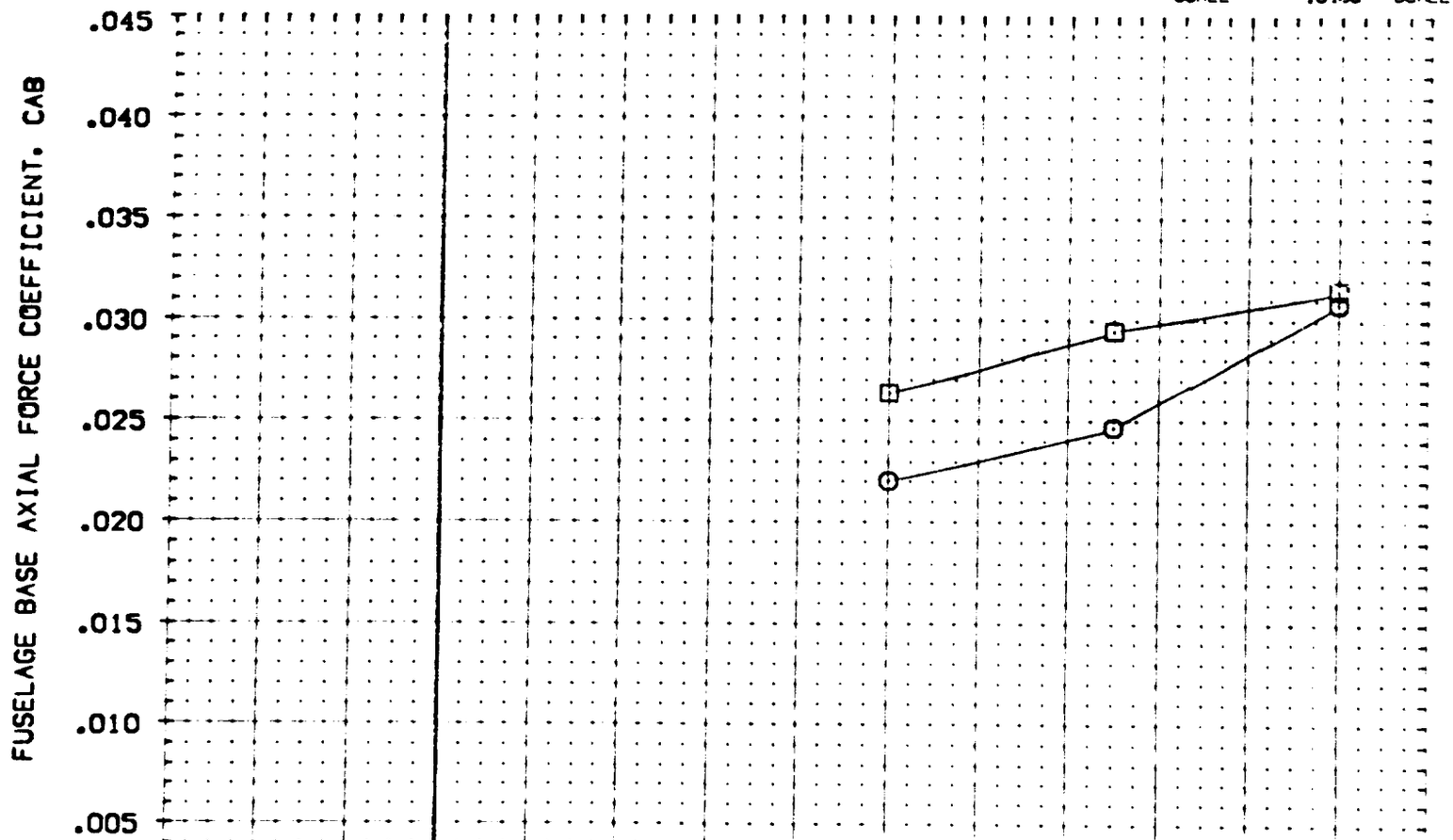


FIG 135 EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG. J15 H/B=.038 ELEVON= 0

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BOFLAP
(CDTO61)	○	0AS7 B16C5F1 J15 W87E18X9 INTEG CPS. HM. BASE	1.000	.125	.000	-18.000
(CDTO60)	□	0AS7 B16C5F1 J15 W87E18X9 INTEG CPS. HM. BASE	1.900	.125	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

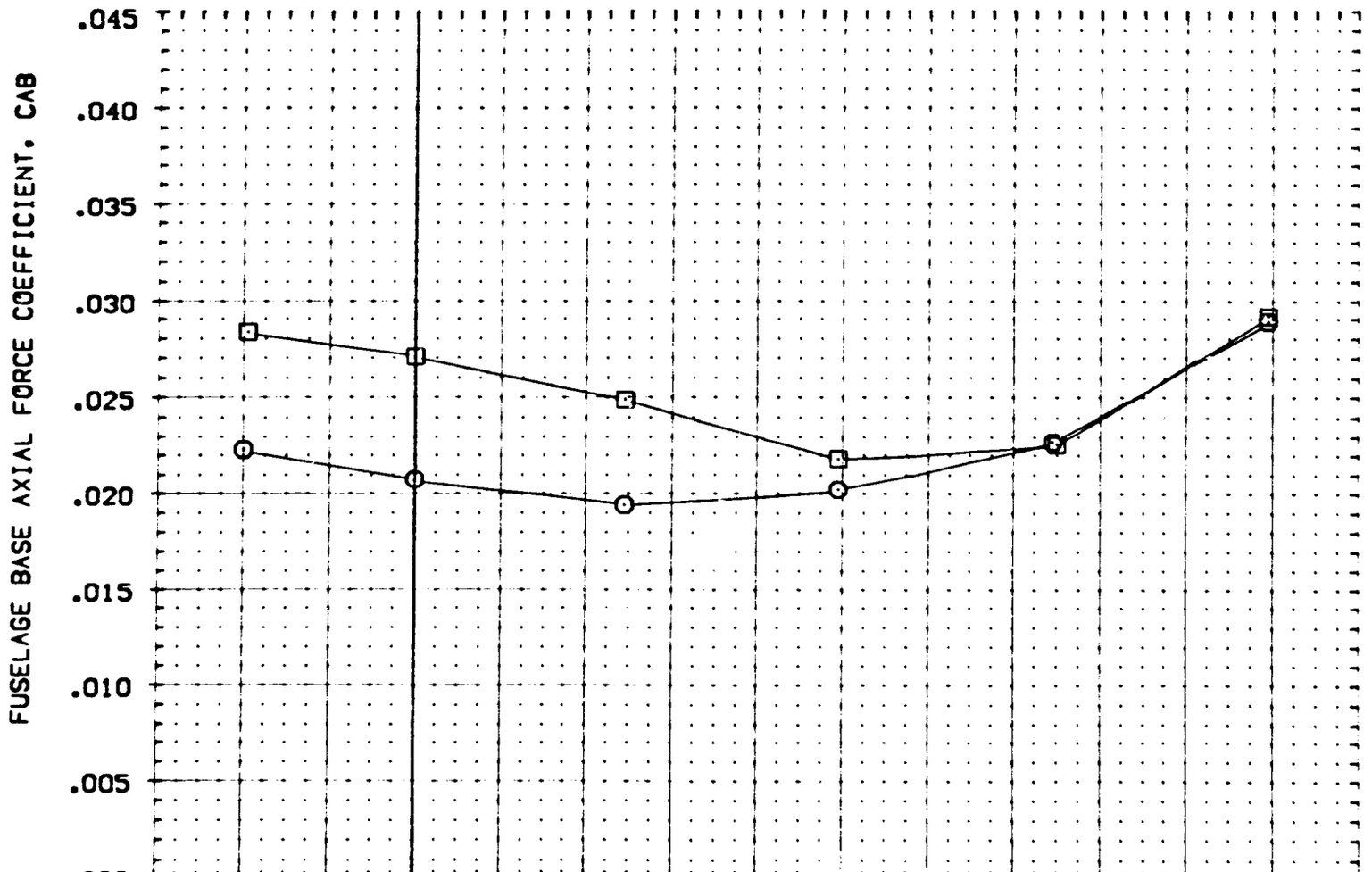


FIG 136 EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J15 H/B=.125 ELEVON= 0

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PTN/P	H/B	ELEVON	BOFLAP
(CDT033) ○	0A57 B16CSF1 J15 V87E10X9 INTEG CPS. HM. BASE	1.000	.286	.000	-18.000
(CDT034) □	0A57 B16CSF1 J15 V87E10X9 INTEG CPS. HM. BASE	1.900	.286	.000	-18.000

REFERENCE INFORMATION		
SREF	4.4120	SQ.FT.
LREF	19.2300	IN.
BREF	37.9350	IN.
XMRP	43.5980	FUS ST
YMRP	.0000	B.P.
ZMRP	-.4050	W.P.
SCALE	.0405	SCALE

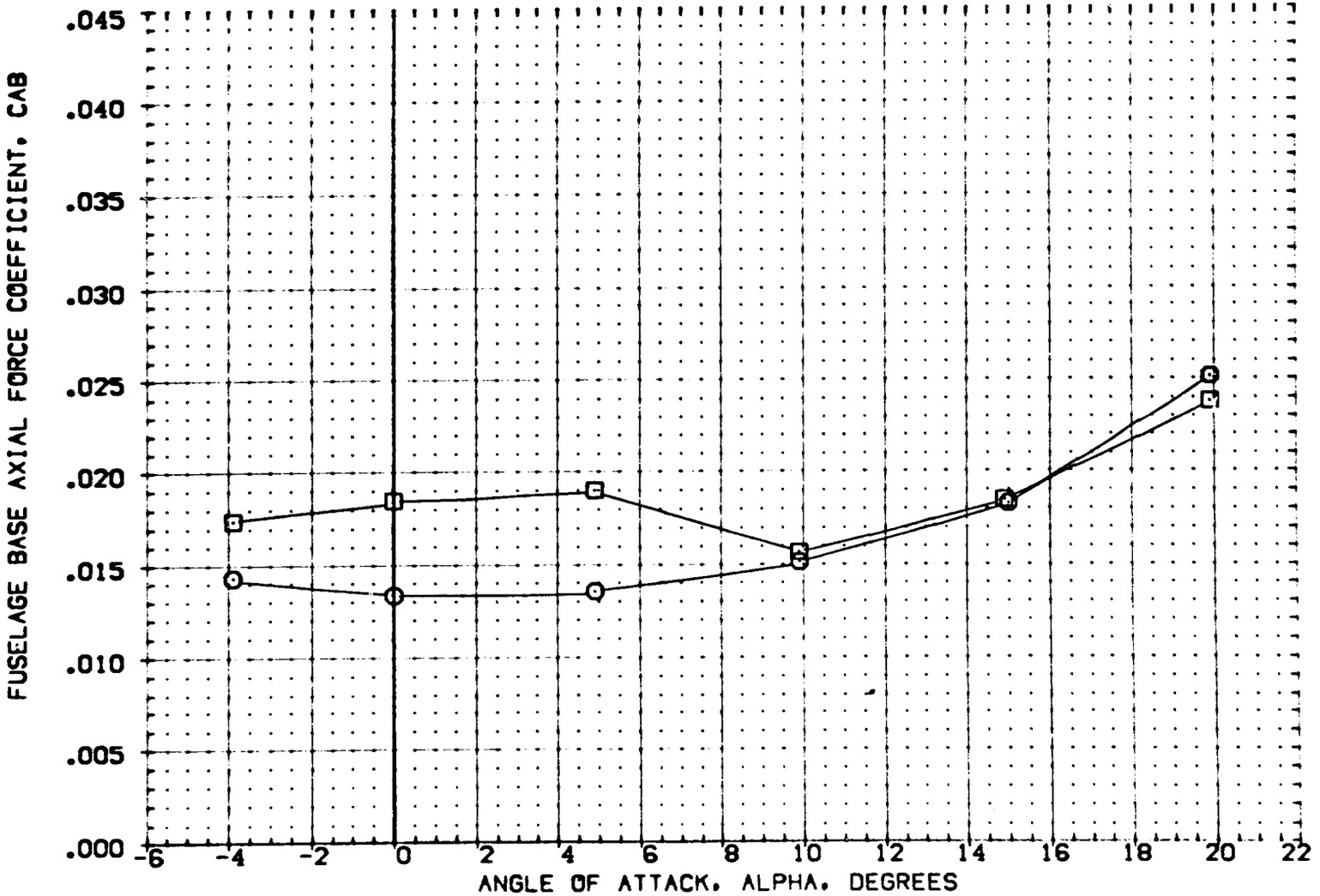


FIG 137 EFFECT OF NOZZLE PRESSURE RATIO ON BASE DRAG, J15 H/B=.286 ELEVON= 0

(A)MACH = .16

APPENDIX

TABULATED SOURCE DATA

Note:

RDT datasets	Base pressures
PDT datasets	Base pressures, hinge-moment and wing pressures
WDT datasets	Wing pressures - upper and lower surfaces
LDT datasets	Wing pressures - lower surface
UDT datasets	Wing pressures - upper surface
CDT datasets	Body flap pressures - top
DDT datasets	Body flap pressures - bottom
HDT datasets	Ground plane pressures

Tabulation of plotted data are available on request from Data Management Services.

OA57 B16C5F1 J24 W8PE18X9 BODY FLAP UPPER (CDTD01) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2500 IN. YMRP = .0000 B.P.
LREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/B = .038
ELEVON = .000 BDFLAP = -16.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.046 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.046

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1960

PTS/P (1) = 1.046 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.046

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2090

PTS/P (1) = 1.047 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.046

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2550

PTS/P (2) = 1.560 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1890

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (CDT001)

PTS/P (2) = 1.561 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1990

PTS/P (2) = 1.566 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2370

PTS/P (3) = 2.124 ALPHA (1) = 10.000 RN/L = 1.200 MACH = 2.149

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2180

PTS/P (3) = 2.146 ALPHA (2) = 15.000 RN/L = 1.200 MACH = 2.149

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2100

PTS/P (3) = 2.177 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 2.149

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2540

OA57 B16C5F1 J24 W87E18X9 DODY FLAP [illegible] (CDT002) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	H/D =	.125
ELEVON =	.000	DOFLAP =	-10.000
MACH =	.160	AILRON =	.000

PTS/P (1) = 1.030 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.039

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2300

PTS/P (1) = 1.036 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.039

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2170

PTS/P (1) = 1.040 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.039

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2040

PTS/P (1) = 1.043 ALPHA (4) = 10.000 RN/L = 1.200 MACH = 1.039

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2010

OA57 B16C5F1 .24 W87E1&X9 BODY FLAP UPPER (CDTD02)

PTS/P (1) = 1.044 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2010

PTS/P (1) = 1.043 ALPHA (6) = 20.000 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2660

PTS/P (2) = 1.552 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2260

PTS/P (2) = 1.555 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2200

PTS/P (2) = 1.565 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2220

OA57 D16C5F1 J24 W87E18X9 BODY FLAP UPPER (CD T002)

PTI/P (2) = 1.569 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2020

PTI/P (2) = 1.578 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.1860

PTI/P (2) = 1.591 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2360

PTI/P (3) = 2.144 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 2.155

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2600

PTI/P (3) = 2.144 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.155

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2490

0457 B16C5F1 .24 WR7E10X9 BODY FLAP UPPER (CGTOG2)

PTS/P (3) = 2.130 ALPHA (3) = 5.000 RN/L = 1.200 MACH = 2.155

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2240

PTS/P (3) = 2.143 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.155

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2030

PTS/P (3) = 2.164 ALPHA (5) = 15.000 RN/L = 1.200 MACH = 2.155

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1820

PTS/P (3) = 2.188 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.155

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2370

OA57 D16C5F1 .24 W87E18X9 DOD Y FLAP UPPER (CO7003) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
LREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/D = .268
ELEVON = .000 DDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.035 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.043

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.1930

PTS/P (1) = 1.045 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.043

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.2110

PTS/P (1) = 1.043 ALPHA (3) = 4.930 RN/L = 1.200 MACH = 1.043

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X .0000

.000 -.1910

PTS/P (1) = 1.046 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.043

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.1930

OAS7 B16(3F1 .R4 W87E18X9 BODY FLAP UPPER (CD 7003)

PTS/P (1) = 1.049 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.043

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.2050

PTS/P (1) = 1.048 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.043

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.2[illegible]0

PTS/P (2) = 1.317 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.330

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.1650

PTS/P (2) = 1.326 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.330

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.1950

PTS/P (2) = 1.329 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.330

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.1670

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (D T003)

PTI/P (2) = 1.332 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.330

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1660

PTI/P (2) = 1.336 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.330

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2100

PTI/P (2) = 1.341 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.330

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2460

PTI/P (3) = 2.086 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1990

PTI/P (3) = 2.146 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1910

OA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT003)

PT1/P (3) = 1.817 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1780

PT1/P (3) = 1.889 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1790

PT1/P (3) = 2.128 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1960

PT1/P (3) = 2.104 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2520

OA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDT004) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	H/B =	.038
ELEVON =	15.000	BDFLAP =	-18.000
MACH =	.160	AILRON =	.000

PTAP (1) = 1.039 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3540

PTAP (1) = 1.040 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3740

PTAP (1) = 1.041 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3940

PTAP (2) = 1.547 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.0660

OA57 D16C5F1 Z4 W87E18X9 BODY FLAP UPPER (CDTOO4)

PTI/P (2) = 1.567 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.0870

PTI/P (2) = 1.575 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1250

PTI/P (3) = 2.144 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 2.166

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.0970

PTI/P (3) = 2.178 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 2.166

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1030

PTI/P (3) = 2.237 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 2.166

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1350

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (CDTOOS) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0406 SCALE				

PARAMETRIC DATA

DETA =	.000	H/D =	.125
ELEVON =	15.000	BDFLAP =	-10.000
MACH =	.160	AILRON =	.000

PTI/P (1) = 1.036 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.2730

PTI/P (1) = 1.039 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.2590

PTI/P (1) = 1.042 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.2420

PTI/P (1) = 1.044 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	
Y	
.000	-.2260

OA57 D16C5F1 .24 WR7E18X9 BODY FLAP UPPER (CDTDC3)

PTI/P (1) = 1.044 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2530

PTI/P (1) = 1.044 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3700

PTI/P (2) = 1.548 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.531

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2970

PTI/P (2) = 1.567 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.531

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2810

PTI/P (2) = 1.588 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.531

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2530

DA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (CDTOOS)

PTI/P (2) = 1.461 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.531

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2130

PTI/P (2) = 1.462 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.531

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2230

PTI/P (2) = 1.559 ALPHA (6) = 20.000 RN/L = 1.200 MACH = 1.531

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3250

PTI/P (3) = 2.053 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1280

PTI/P (3) = 2.065 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1090

OA57 B16C5F1 J24 WB7E18X9 BODY FLAP UPPER (CD T005)

PTI/P (3) = 2.091 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.0940

PTI/P (3) = 2.126 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.0840

PTI/P (3) = 2.148 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.0790

PTI/P (3) = 2.136 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.0960

OA57 B16C5F1 .24 W87E19X9 BODY FLAP UPPER (CDT006) (02 NOV 73

REFERENCE DATA

SREF = 4.412D SQ.FT. XMRP = 43.598D FUS ST
BREF = 19.230D IN. YMRP = .000D B.P.
CREF = 37.935D IN. ZMRP = -.405D W.P.
SCALE = .040S SCALE

PARAMETRIC DATA

DETA = .000 H/D = .2RF
ELEVON = 15.000 BDFLAP = -18.00C
MACH = .16D AILRON = .00C

PTLAP (1) = 1.037 ALPHA (1) = -4.000 RN/L = 1.20D MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.247D

PTLAP (1) = 1.042 ALPHA (2) = .000 RN/L = 1.20D MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.245D

PTLAP (1) = 1.041 ALPHA (3) = 4.90D RN/L = 1.20D MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.226D

PTLAP (1) = 1.043 ALPHA (4) = 9.90D RN/L = 1.20G MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.228D

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (CDTD06)

PTIAP (1) = 1.044 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	

Y	
.000	-.2540

PTIAP (1) = 1.044 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	

Y	
.000	-.3690

PTIAP (2) = 1.323 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	

Y	
.000	-.2370

PTIAP (2) = 1.321 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	

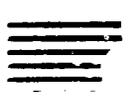
Y	
.000	-.2400

PTIAP (2) = 1.324 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
.0000	

Y	
.000	-.2260



OA57 D16C3F1 J24 W87E18X9 DODY FLAP UPPER (CD /D06)

PTS/P (2) = 1.328 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.323

SECTION (1)DODY FLAP DEPENDEN VARIABLE CP

X
.0000

Y
.000 -.2240

PTS/P (2) = 1.320 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.323

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2400

PTS/P (2) = 1.325 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.323

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3480

PTS/P (3) = 2.110 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 2.011

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2500

PTS/P (3) = 1.871 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.011

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2390

DA57 C16C5F1 J24 W87E18X9 DOD FLAP UPPER (CDTG06)

PITCH (3) = 2.047 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.011

SECTION (1)=DOD FLAP DEPENDENT VARIABLE CP

X	
.000	-.2170

PITCH (3) = 2.106 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.011

SECTION (1)=DOD FLAP DEPENDENT VARIABLE CP

X	
.000	-.2270

PITCH (3) = 2.119 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 2.011

SECTION (1)=DOD FLAP DEPENDENT VARIABLE CP

X	
.000	-.2235

PITCH (3) = 1.615 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.011

SECTION (1)=DOD FLAP DEPENDENT VARIABLE CP

X	
.000	-.3020

DASP S16C5F1 S24 WRTE18X9 BODY FLAP UPPER (CDTOOP) (02 NOV 73)

REFERENCE DATA

SREF = 4.4160 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2350 IN. ZMRP = .0000 B.P.
BREF = 37.9550 IN. ZMRP = -.4050 W.P.
SCALE = .0416 SCALE

PARAMETRIC DATA

DELTA = .000 MAC = .03H
ELEVON = -15.000 BDFLAP = -10.000
MACH = .16L AILRON = .000

PTS/P (1) = 1.041 ALPHA (1) = 9.000 RN/L = 1.200 MACH = 1.044

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1080

PTS/P (1) = 1.045 ALPHA (2) = 14.000 RN/L = 1.200 MACH = 1.044

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1020

PTS/P (1) = 1.046 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.044

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1030

PTS/P (2) = 1.542 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.552

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.0970

DAS7 016C9F1 24 WAVE16X9 DOD Y FLAP UPPER (CONTOUR)

PTS/P (2) = 1.553 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.553

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.000	.0000	-.1030

PTS/P (2) = 1.562 ALPHA (3) = 15.000 RN/L = 1.200 MACH = 1.562

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.000	.0000	-.1550

PTS/P (3) = 1.648 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.617

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.000	.0000	-.1050

PTS/P (3) = 1.769 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.617

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.000	.0000	-.1030

PTS/P (3) = 2.013 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.617

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.000	.0000	-.1120

OA57 0160SF1 J24 W87E18X9 BODY FLAP UPPER (CDTD08) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/D = .125
ELEVON = -15.000 BDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.027 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.0840

PTS/P (1) = 1.035 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.0730

PTS/P (1) = 1.039 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.0710

PTS/P (1) = 1.043 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.0770

OA57 D16C5F1 J24 W87E18X9 OCDY FLAP UPPER (CDTOOO)

PTS/P (1) = 1.045 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.039

SECTION (1)OCDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.0810

PTS/P (1) = 1.046 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.039

SECTION (1)OCDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.1000

PTS/P (2) = 1.557 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.568

SECTION (1)OCDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.1020

PTS/P (2) = 1.559 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.568

SECTION (1)OCDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.0020

PTS/P (2) = 1.565 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.568

SECTION (1)OCDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.0060

OA57 S16C5F1 J24 W87E18X9 BODY FLAP UPPER (CDTOD8)

PTI/P (2) = 1.569 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.0990

PTI/P (2) = 1.575 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.0890

PTI/P (2) = 1.585 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.0820

PTI/P (3) = 2.089 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1260

PTI/P (3) = 2.073 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1110

OA57 B16C5F1 .24 W07E18X9 DOD Y FLAP UPPER (CD T006)

PTI/P (3) = 2.044 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.091

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.1020

PTI/P (3) = 2.090 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.091

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.0740

PTI/P (3) = 2.127 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 2.091

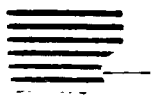
SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.0610

PTI/P (3) = 2.145 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.091

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.0790



OA57 D16C5F1 J15 W87E18X9 DOD Y FLAP UPPER (CDT009) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/C = .038
ELEVON = .000 DOFLAP = -18.000
MACH = .160 AILRON = .000

PTI/P (1) = 1.039 ALPHA (1) = 10.000 RN/L = 1.200 MACH = 1.042

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2230

PTI/P (1) = 1.042 ALPHA (2) = 15.000 RN/L = 1.200 MACH = 1.042

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2300

PTI/P (1) = 1.045 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.042

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2950

PTI/P (2) = 1.617 ALPHA (1) = 10.000 RN/L = 1.200 MACH = 1.634

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2120

OA57 D16C5F1 J15 W87E18X9 BODY FLAP UPPER (CONTD09)

PTS/P (2) = 1.619 ALPHA (2) = 15.000 RN/L = 1.200 MACH = 1.634

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.2560

PTS/P (2) = 1.666 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.634

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.2780

0A57 D16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDTD10) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	H/D =	.125
ELEVON =	.000	BDFLAP =	-18.000
MACH =	.160	AILRON =	.000

PTS/P (1) = 1.029 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2170

PTS/P (1) = 1.035 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2010

PTS/P (1) = 1.041 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1960

PTS/P (1) = 1.044 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1980

OA57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDTD1D)

PTS/P (1) = 1.046 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2070

PTS/P (1) = 1.048 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2610

PTS/P (2) = 1.620 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.646

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2520

PTS/P (2) = 1.632 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.646

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2270

PTS/P (2) = 1.636 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.646

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.2120

OA57 B16C5F1 J15 W87E18X9 DOD Y FLAP UPPER (CD T010)

PTS/P (2) = 1.648 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.646

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1960

PTS/P (2) = 1.666 ALPHA (5) = 15.000 RN/L = 1.200 MACH = 1.646

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1920

PTS/P (2) = 1.672 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.646

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2430

OA57 B16C5F1 J15 WR7E18X9 DOD Y FLAP UPPER (CDTD11) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST			BETA =	.000	MACH =	.288
LREF =	19.2300 IN.	YMRP =	.0000 B.P.			ELEVON =	.000	ODFLAP =	-18.000
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.			MACH =	.160	AILERON =	.000
SCALE =	.0405 SCALE								

PTS/P (1) = 1.029 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.037

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1650

PTS/P (1) = 1.033 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.037

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1930

PTS/P (1) = 1.037 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.037

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1610

PTS/P (1) = 1.040 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.037

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1660

OA57 B16C3F1 J15 W87E18X9 BODY FLAP UPPER (CDT011)

PTS/P (1) = 1.041 ALPHA (5) = 15.000 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1960

PTS/P (1) = 1.044 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2400

PTS/P (2) = 1.248 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.262

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1100

PTS/P (2) = 1.253 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.262

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1240

PTS/P (2) = 1.260 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.262

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1110

OA57 D16C5F1 J15 W87E10X9 DOD Y FLAP UPPER (CD TD11)

PTLAP (2) = 1.265 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.262

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1160

PTLAP (2) = 1.272 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.262

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1330

PTLAP (2) = 1.274 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.262

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1360

PTLAP (3) = 1.720 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.764

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1450

PTLAP (3) = 1.736 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.764

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1460

OA37 D16C3F1 J15 W89E18X9 BODY FLAP UPPER (CDTD11)

PTIAP (3) = 1.780 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.1470

PTIAP (3) = 1.762 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.1400

PTIAP (3) = 1.780 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.1570

PTIAP (3) = 1.824 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.1590

OA57 O16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDTO12) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2500 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/D = .038
ELEVON = 15.000 BDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.039 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1930

PTS/P (1) = 1.041 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.041

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1660

PTS/P (1) = 1.043 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.041

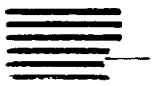
SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2890

PTS/P (2) = 1.245 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.250

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	.0600



OA57 D16C5F1 J15 W87E18X9 BODY FLAP UPPER (CONTD12)

PTI/P (2) = 1.249 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.250

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	.1580

PTI/P (2) = 1.255 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.250

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	.3390

PTI/P (3) = 1.634 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.663

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2350

PTI/P (3) = 1.708 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.663

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2180

PTI/P (3) = 1.710 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.663

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3040

OA57 B16C9F1 J15 W87E18X9 BODY FLAP UPPER (CDT013) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 H/B = .125
ELEVON = 15.000 BDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.027 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2340

PTS/P (1) = 1.031 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2100

PTS/P (1) = 1.035 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1940

PTS/P (1) = 1.038 ALPHA (4) = 10.000 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1910

OA57 B16C5F1 J15 W87E18X9 OOD Y FLAP UPPER (CDT013)

PTS/P (1) = 1.040 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.035

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2120

PTS/P (1) = 1.042 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.035

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3020

PTS/P (2) = 1.235 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.252

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2390

PTS/P (2) = 1.244 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.252

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2240

PTS/P (2) = 1.250 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.252

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1560

OA57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDTD13)

PTS/P (2) = 1.256 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.252

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1800

PTS/P (2) = 1.262 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.252

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1820

PTS/P (2) = 1.268 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.252

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2570

PTS/P (3) = 1.663 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2720

PTS/P (3) = 1.670 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2380



OA57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT013)

PT1/P (3) = 1.681 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2080

PT1/P (3) = 1.698 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1790

PT1/P (3) = 1.719 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1770

PT1/P (3) = 1.733 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2440

OA57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CDT014) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/B = .285
ELEVON = 15.000 BDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.031 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2000

PTS/P (1) = 1.033 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1930

PTS/P (1) = 1.037 ALPHA (3) = 4.000 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1980

PTS/P (1) = 1.039 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.1950

OA57 B16C5F1 J15 W87E18X9 BODY FLAP UPPER (CONTD14)

PTS/P (1) = 1.040 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2250

PTS/P (1) = 1.042 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3070

PTS/P (2) = 1.246 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.260

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1930

PTS/P (2) = 1.251 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.260

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1900

PTS/P (2) = 1.259 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.260

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1950

OA57 D16C9F1 J15 W87E18X9 DOD Y FLAP UPPER (CDTD14)

PTS/P (2) = 1.284 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.260

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1940

PTS/P (2) = 1.268 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.260

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2180

PTS/P (2) = 1.271 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.260

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2940

PTS/P (3) = 1.666 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.709

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1930

PTS/P (3) = 1.689 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.709

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1930

OA57 D16C5F1 J15 WRTE18X9 DOD Y FLAP UPPER (CDT014)

PTS/P (3) = 1.692 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.709

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1810

PTS/P (3) = 1.707 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.709

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1690

PTS/P (3) = 1.737 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.709

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2000

PTS/P (3) = 1.766 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.709

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2700

DA37 B16C3F1 .24 W87E18X9 BODY FLAP UPPER (DDTDD1) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5060 FUS ST
CREF = 19.2300 IN. YMRP = .0000 B.P.
CLEF = 37.9350 IN. ZMRP = -.4060 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 H/D = .038
ELEVON = .000 BDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.046 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.046

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.6140

PTS/P (1) = 1.048 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.046

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.4460

PTS/P (1) = 1.047 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.046

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3400

PTS/P (2) = 1.560 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -1.1710

OAST S16CSF1 .24 W87E16X9 DOD Y FLAP UPPER (DD T001)

PTLAP (2) = 1.561 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.562

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	CP
.0000		
	.050	-.0460

PTLAP (2) = 1.566 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.562

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	CP
.0000		
	.000	-.7100

PTLAP (3) = 2.124 ALPHA (1) = 10.000 RN/L = 1.200 MACH = 2.149

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	CP
.0000		
	.000	-1.7600

PTLAP (3) = 2.146 ALPHA (2) = 15.000 RN/L = 1.200 MACH = 2.149

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	CP
.0000		
	.000	-1.7660

PTLAP (3) = 2.177 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 2.149

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	CP
.0000		
	.000	.1300

OASP 0160SF1 .24 W8PE10X9 DOD Y FLAP UPPER (00 TO02) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5960 FUS ST
LREF =	19.2500 IN.	YMRP =	.0000 C.P.
LREF =	37.5350 IN.	ZMRP =	-.4050 N.P.
SCALE =	.0405 SCALE		

PARAMETRIC DATA

DETA =	.000	H/C =	.125
ELEVON =	.000	DOFLAP =	-10.000
MACH =	.160	AILRON =	.000

PTS/P (1) = 1.030 ALPHA (1) = -3.900 RNVL = 1.200 MACH = 1.039

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000		
	.000	-.3690

PTS/P (1) = 1.036 ALPHA (2) = .000 RNVL = 1.200 MACH = 1.039

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000		
	.000	-.3790

PTS/P (1) = 1.040 ALPHA (3) = 4.900 RNVL = 1.200 MACH = 1.039

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000		
	.000	-.3810

PTS/P (1) = 1.043 ALPHA (4) = 10.000 RNVL = 1.200 MACH = 1.039

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000		
	.000	-.3790

OAST D16(3F1 #24 WRPE10X3 BODY FLAP UPPER (00 T002)

PTS/P (1) = 1.044 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3250

PTS/P (1) = 1.043 ALPHA (6) = 20.000 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3250

PTS/P (2) = 1.552 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3620

PTS/P (2) = 1.555 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4170

PTS/P (2) = 1.565 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4710

OA57 B18C5F1 J24 W87F18X9 DODY FLAP UPPER (DDTD02)

PTI/ (2) = 1.569 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.566

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.4460

PTI/P (2) = 1.578 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.568

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3660

PTI/P (2) = 1.591 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.568

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3410

PTI/P (3) = 2.144 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 2.155

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3620

PTI/P (3) = 2.144 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.155

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.4200

OA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (00 T002)

PT1/P (3) = 2.130 ALPHA (3) = 5.000 RN/L = 1.200 MACH = 2.155

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4550

PT1/P (3) = 2.143 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.155

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4080

PT1/P (3) = 2.184 ALPHA (5) = 15.000 RN/L = 1.200 MACH = 2.155

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3440

PT1/P (3) = 2.188 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.155

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3370

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (DDT003) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 C.P.
DREF = 37.9350 IN. ZMRP = -.4050 N.P.
SCALE = .0400 SCALE

PARAMETRIC DATA

BETA = .000 H/D = .200
ELEVON = .000 BDFLAP = -10.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.035 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.043

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3340

PTS/P (1) = 1.040 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.043

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3460

PTS/P (1) = 1.043 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.043

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

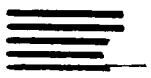
Y
.000 -.3300

PTS/P (1) = 1.046 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.043

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3260



OA57 B16C5F1 J24 W87E18X9 DDDY FLAP UPPER (DDT003)

PTI/P (1) = 1.049 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.043

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3240

PTI/P (1) = 1.048 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.043

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3320

PTI/P (2) = 1.317 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.330

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4030

PTI/P (2) = 1.328 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.330

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3870

PTI/P (2) = 1.329 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.330

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3860

OA57 B16C5F1 .24 W87E18X9 DOD Y FLAP UPPER (DD T003)

PTI/P (2) = 1.332 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.330

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3690

PTI/P (2) = 1.336 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.330

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3650

PTI/P (2) = 1.341 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.330

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3730

PTI/P (3) = 2.087 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 2.028

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.4280

PTI/P (3) = 2.146 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.028

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3930

OA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT003)

PTI/P (3) = 1.817 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3970

PTI/P (3) = 1.889 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3690

PTI/P (3) = 2.128 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3710

PTI/P (3) = 2.104 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.028

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3660

OA57 B16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDTOG4) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 N.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	H/D =	.038
ELEVON =	15.000	BDFLAP =	-10.000
MACH =	.165	AILRON =	.000

PTS/P (1) = 1.039 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.7140

PTS/P (1) = 1.040 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.6810

PTS/P (1) = 1.041 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.5590

PTS/P (2) = 1.547 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.7980

OA57 B16C5F1 .24 WRTE18X9 BODY FLAP UPPER (DDT004)

PTI/P (2) = 1.563 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.8300

PTI/P (2) = 1.575 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.562

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.8520

PTI/P (3) = 2.144 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 2.166

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-1.1600

PTI/P (3) = 2.178 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 2.166

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.8170

PTI/P (3) = 2.237 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 2.166

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3810

OA57 0160F1 .24 W87E18X9 DOD Y FLAP UPPER (DDTOOB) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 N.P.		
SCALE =	.0456 SCALE				

PARAMETRIC DATA

DETA =	.000	H/C =	.125
ELEVON =	15.000	DOFLAP =	-18.000
MACH =	.160	AILERON =	.000

PTS/P (1) = 1.036 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.041

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	
	.0010
Y	
.000	-.3640

PTS/P (1) = 1.039 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.041

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.3670

PTS/P (1) = 1.042 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.041

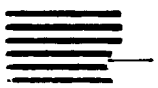
SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.3460

PTS/P (1) = 1.044 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.041

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.3060



OA57 B16C9F1 J24 W87E18X9 DOD Y FLAP UPPER (DD Y005)

PTS/P (1) = 1.044 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.041

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2610

PTS/P (1) = 1.044 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.041

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3080

PTS/P (2) = 1.548 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.531

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4140

PTS/P (2) = 1.567 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.531

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4280

PTS/P (2) = 1.588 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.531

SECTION (1) DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4000

CAST 0160SF1 J24 WBPE16X9 000 Y FLAP UPPER (00 TO08)

PTLAP (2) = 1.461 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.531

SECTION (1)000 Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3220

PTLAP (2) = 1.462 ALPHA (5) = 14.000 RN/L = 1.200 MACH = 1.531

SECTION (1)000 Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2990

PTLAP (2) = 1.559 ALPHA (6) = 20.000 RN/L = 1.200 MACH = 1.531

SECTION (1)000 Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2690

PTLAP (3) = 2.083 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 2.103

SECTION (1)000 Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4270

PTLAP (3) = 2.085 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.103

SECTION (1)000 Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4130

OAST 816C3F1 J24 W87E18X9 BODY FLAP UPPER (DD7008)

PTIP (3) = 2.091 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3590

PTIP (3) = 2.126 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2980

PTIP (3) = 2.148 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2290

PTIP (3) = 2.136 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.103

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2360

OAS7 B16C5F1 .24 W87E10X9 90D Y FLAP UPPER (DDT008) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5960 FUS ST
LREF = 19.2300 IN. YMRP = .0000 U.P.
LREF = 37.9350 IN. ZMRP = -.4050 N.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/L = .210
ELEVON = 15.000 SDFLAP = -10.000
MACH = .165 AILRON = .000

PTS/P (1) = 1.037 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.042

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3470

PTS/P (1) = 1.042 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.042

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3410

PTS/P (1) = 1.041 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.042

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3370

PTS/P (1) = 1.043 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.042

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3190

OAS7 B16C3F1 .24 WBPE10X9 BODY FLAP UPPER (DD7008)

PTS/P (1) = 1.044 ALPHA (9) = 14.900 RN/L = 1.200 MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3040

PTS/P (1) = 1.044 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3650

PTS/P (2) = 1.323 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3690

PTS/P (2) = 1.321 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3760

PTS/P (2) = 1.324 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3830

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (DD TOO8)

PTI/P (2) = 1.328 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3640

PTI/P (2) = 1.320 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3640

PTI/P (2) = 1.325 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.323

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3920

PTI/P (3) = 2.110 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 2.011

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.4040

PTI/P (3) = 1.871 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.011

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3760

OA57 B16C5F1 J24 WRTE18X9 OOD Y FLAP UPPER (DD TOOB)

PTI/P (3) = 2.047 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.011

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3750

PTI/P (3) = 2.108 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.011

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3790

PTI/P (3) = 2.119 ALPHA (3) = 14.900 RN/L = 1.200 MACH = 2.011

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3400

PTI/P (3) = 1.815 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.011

SECTION (1) OOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3930

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (DD TOO7) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 N.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	H/C =	.038
ELEVON =	-15.000	BDFLAP =	-10.000
MACH =	.160	AILRON =	.000

PTI/P (1) = 1.041 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.044

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	.0000
Y	
.000	-.3200

PTI/P (1) = 1.045 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.044

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	.0000
Y	
.000	-.2000

PTI/P (1) = 1.046 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.044

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	.0000
Y	
.000	-.1170

PTI/P (2) = 1.542 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.552

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	.0000
Y	
.000	-.8200

OA57 B16C3F1 J24 W87E18X9 DOD Y FLAP UPPER (DD TOOP)

PTI/P (2) = 1.553 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.552

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.6970

PTI/P (2) = 1.562 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.552

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3920

PTI/P (3) = 1.648 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.817

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -1.4160

PTI/P (3) = 1.789 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.817

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -1.2610

PTI/P (3) = 2.013 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.817

SECTION (1)DOD Y FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.6640

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (DDTD08) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 N.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 H/D = .125
ELEVON = -15.000 BDFLAP = -10.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.027 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2380

PTS/P (1) = 1.035 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2660

PTS/P (1) = 1.039 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2590

PTS/P (1) = 1.043 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.2520

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (DDTG08)

PTI/P (1) = 1.045 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.2200

PTI/P (1) = 1.046 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.039

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.2020

PTI/P (2) = 1.557 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.1600

PTI/P (2) = 1.559 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.2880

PTI/P (2) = 1.565 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3120

OA57 D16C5F1 J24 W87E18X9 BODY FLAP UPPER (DDT008)

PTI/P (2) = 1.569 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3230

PTI/P (2) = 1.575 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2900

PTI/P (2) = 1.585 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.568

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2230

PTI/P (3) = 2.089 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2700

PTI/P (3) = 2.073 ALPHA (2) = .000 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2870

OA57 B16C5F1 .24 W87E18X9 BODY FLAP UPPER (DDT008)

PTIAP (3) = 2.044 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.6790

PTIAP (3) = 2.090 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.5210

PTIAP (3) = 2.127 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.5900

PTIAP (3) = 2.145 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 2.091

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.4680

OA57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (00 TOO9) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 N.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/D = .038
ELEVON = .000 DOFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.039 ALPHA (1) = 10.000 RN/L = 1.200 MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3740

PTS/P (1) = 1.042 ALPHA (2) = 15.000 RN/L = 1.200 MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.2320

PTS/P (1) = 1.045 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.042

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.1180

PTS/P (2) = 1.617 ALPHA (1) = 10.000 RN/L = 1.200 MACH = 1.634

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-1.2270

OA57 D16C5F1 J15 WRPE18X9 BODY FLAP LOWER (00 T009)

PTI/P (2) = 1.619 ALPHA (2) = 15.000 RN/L = 1.200 MACH = 1.634

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-1.0410

PTI/P (2) = 1.666 ALPHA (3) = 20.000 RN/L = 1.200 MACH = 1.634

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4530

OA57 B16C5F1 .15 WRTE10X9 BODY FLAP LOWER (00 TO 10) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 C.P.		
LREF =	37.9350 IN.	ZMRP =	-.4050 N.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	H/D =	.125
ELEVON =	.000	DOFLAP =	-10.000
MACH =	.160	AILRON =	.000

PTS/P (1) = 1.029 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.040

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.3010

PTS/P (1) = 1.039 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.040

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.3080

PTS/P (1) = 1.041 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.040

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.3000

PTS/P (1) = 1.044 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.040

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.2970

OA57 B16C5F1 J15 M87E16X9 BODY FLAP LOWER (DDTO1D)

PTI/P (1) = 1.046 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2450

PTI/P (1) = 1.046 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.040

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2630

PTI/P (2) = 1.620 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.646

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3090

PTI/P (2) = 1.632 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.646

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3780

PTI/P (2) = 1.636 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.646

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4050

OAS7 D16C5P1 J15 W87E18X9 OOD Y FLAP LOWER (OD TO1G)

PTS/P (2) = 1.646 ALPHA (4) = 0.900 RN/L = 1.200 MACH = 1.646

SECTION (1)OOD Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3490

PTS/P (2) = 1.646 ALPHA (5) = 19.000 RN/L = 1.200 MACH = 1.646

SECTION (1)OOD Y FLAP DEPENDENT VARIABLE CP

X
.0000

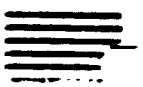
Y
.000 -.2990

PTS/P (2) = 1.672 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.646

SECTION (1)OOD Y FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.3120



OA57 B16C5F1 J15 W87E18X9 DODY FLAP LOWER (00 TO 11) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	MACH =	.268
ELEVON =	.000	DOFLAP =	-18.000
MACH =	.160	AILRON =	.000

PTS/P (1) = 1.029 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.037

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.2990

PTS/P (1) = 1.033 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.037

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.2880

PTS/P (1) = 1.037 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.2920

PTS/P (1) = 1.040 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.037

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	
	.0000
Y	
.000	-.3020

OA57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT011)

PT1/P (1) = 1.041 ALPHA (5) = 15.000 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.2960

PT1/P (1) = 1.044 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.3380

PT1/P (2) = 1.248 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.262

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.3770

PT1/P (2) = 1.253 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.262

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.3580

PT1/P (2) = 1.260 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.262

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X .0000

Y
.000 -.3550

OA57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DD TO 11)

PTI/P (2) = 1.265 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.262

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3390

PTI/P (2) = 1.272 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.262

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3230

PTI/P (2) = 1.274 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.262

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.2910

PTI/P (3) = 1.720 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.764

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3510

PTI/P (3) = 1.736 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.764

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000 -.3370

OA57 B16C3F1 J15 W87E18X9 BODY FLAP LOWER (DD TO11)

PTI/P (3) = 1.760 ALPHA (3) = 4.000 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3700

PTI/P (3) = 1.762 ALPHA (4) = 9.000 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3670

PTI/P (3) = 1.780 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3690

PTI/P (3) = 1.824 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.764

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4280

OA57 D16C5F1 J15 W87E18X9 DODY FLAP LOWER (DDTD12) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4080 N.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/C = .038
ELEVON = 15.000 DDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.039 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.041

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4120

PTS/P (1) = 1.041 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.041

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3630

PTS/P (1) = 1.043 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.041

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1800

PTS/P (2) = 1.245 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.250

SECTION (1)DODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1080

OA57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDT012)

PTS/P (2) = 1.249 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.250

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1690

PTS/P (2) = 1.255 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.250

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2140

PTS/P (3) = 1.634 ALPHA (1) = 9.900 RN/L = 1.200 MACH = 1.663

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-1.0080

PTS/P (3) = 1.708 ALPHA (2) = 14.900 RN/L = 1.200 MACH = 1.663

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.8970

PTS/P (3) = 1.710 ALPHA (3) = 19.900 RN/L = 1.200 MACH = 1.663

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4560

OA57 B16C5F1 J15 W87E18X9 BODY FLAP LOWER (DDTD13) (02 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 N.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 H/B = .125
ELEVON = 15.000 DDFLAP = -18.000
MACH = .160 AILRON = .000

PTS/P (1) = 1.027 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.4520

PTS/P (1) = 1.031 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.4680

PTS/P (1) = 1.035 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.4510

PTS/P (1) = 1.038 ALPHA (4) = 10.000 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X
.0000

Y
.000 -.4190

OA57 B16C9F1 J15 W89E18X9 BODY FLAP LOWER (DDT013)

PTS/P (1) = 1.040 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.3870

PTS/P (1) = 1.042 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.035

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4510

PTS/P (2) = 1.235 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.252

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.5200

PTS/P (2) = 1.244 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.252

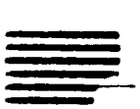
SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.5590

PTS/P (2) = 1.250 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.252

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	.1350



OA57 D16C5F1 J15 W87E18X9 DDDY FLAP LOWER (DD TO13)

PTS/P (2) = 1.256 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.252

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.4590

PTS/P (2) = 1.262 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.252

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.4240

PTS/P (2) = 1.268 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.252

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.4680

PTS/P (3) = 1.663 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.894

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3990

PTS/P (3) = 1.670 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.894

SECTION (1)DDDY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
	.000 -.3770

OA57 D16C5F1 J15 W87E16X9 BODY FLAP LOWER (DDTD13)

PTIP (3) = 1.681 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.3280

PTIP (3) = 1.698 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2540

PTIP (3) = 1.719 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.1980

PTIP (3) = 1.733 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.694

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.2120

DATE 29 SEP 74 TABULATED SOURCE DATA - OA37A

OA37 B16C3F1 J15 W87E18X9 BODY FLAP LOWER (00 TO 14) (02 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	H/D =	.288
ELEVON =	15.000	DOFLAP =	-18.000
MACH =	.160	AILRON =	.000

PTS/P (1) = 1.031 ALPHA (1) = -4.000 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0900	
.000	-.4080

PTS/P (1) = 1.033 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.4090

PTS/P (1) = 1.037 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.4220

PTS/P (1) = 1.039 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.037

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	
.000	-.4120

DATE 29 SEP 74 TABULATED SOURCE DATA - 0457A

0457 D18C5F1 J15 W89E18X9 90D Y FLAP LOWER (DDT014)

PTS/P (1) = 1.040 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.037

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4670

PTS/P (1) = 1.042 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.037

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.5150

PTS/P (2) = 1.246 ALPHA (1) = -3.900 RN/L = 1.200 MACH = 1.260

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4670

PTS/P (2) = 1.251 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.260

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4560

PTS/P (2) = 1.259 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.260

SECTION (1)90D Y FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4540

OAS7 B16C5F1 J15 W87E16X9 BODY FLAP LOWER (DDTG14)

PTLAP (2) = 1.264 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.260

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4610

PTLAP (2) = 1.268 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.260

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4720

PTLAP (2) = 1.271 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.260

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.5200

PTLAP (3) = 1.686 ALPHA (1) = -5.900 RN/L = 1.200 MACH = 1.709

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4620

PTLAP (3) = 1.689 ALPHA (2) = .000 RN/L = 1.200 MACH = 1.709

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y
.0000	.000
	-.4530

OAS7 B16C9F1 J15 W87E16X9 BODY FLAP LOWER (DDTG14)

PTS/P (3) = 1.692 ALPHA (3) = 4.900 RN/L = 1.200 MACH = 1.709

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4470

PTS/P (3) = 1.707 ALPHA (4) = 9.900 RN/L = 1.200 MACH = 1.709

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4530

PTS/P (3) = 1.737 ALPHA (5) = 14.900 RN/L = 1.200 MACH = 1.709

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4310

PTS/P (3) = 1.766 ALPHA (6) = 19.900 RN/L = 1.200 MACH = 1.709

SECTION (1)BODY FLAP DEPENDENT VARIABLE CP

X	Y	
.0000	.000	-.4040

OASP 0160SF1 .24 W87E18X9 WING LOWER SURFACE (LD7004) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4060 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .038 DFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.008 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	.4230	.3233	.2986	.4148	.1415	-2.7213
.334	.4464	.3759	.4099	.4778	.2932	.2004
.520	.4007	.3431	.1719	.1606	.1206	.0496
.663	.1362	-.0769	-.1493	.1331	-.3312	.0033
.878	.1528	-.0140	-.1302	-.1922	-.3825	-.3207

MACH (1) = .165 ALPHA (2) = 15.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	.4982	.4394	.4524	.5857	.4820	-1.[illegible]91
.334	.5879	.5019	.5135	.6124	.5305	.4656
.520	.3630	.4127	.2049	.3225	.3327	.2641
.663	.1177	-.0191	-.0045	.2135	-.2602	.1575
.878	.2900	.0982	.0102	-.0917	-.4342	-.4376

MACH (1) = .165 ALPHA (3) = 20.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	.5744	.5334	.2761	.6486	.6287	-.3799
.334	.6618	.5820	.5495	.6558	.6403	-.0247
.52[illegible]	.0306	.4013	.5657	.3757	.3624	.6573
.663	-.2203	.2522	.2656	.2716	.1306	.3155
.878	.4029	-.0078	-.0693	.0334	-.3207	.0173

OA57 B16C5F1 J24 WRTE18X9 WING LOWER SURFACE (LDTOO8) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.F.T.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0408 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/C =	.125	DFLAP =	-10.000
ELEVON =	.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -3.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2141	-.8280	-1.3498	-.7531	-.7616	-.5305
.334	-1.2501	-1.2988	-1.0984	-.8149	-.7925	-.4589
.520	-1.2213	-1.0645	-1.0974	-.7935	-.7376	-.3734
.663	-1.0071	-.8788	-.7855	-.6117	-.8668	-.2791
.876	-.7010	-.5455	-.5692	-.5291	-.5208	-.2793

MACH (1) = .165 ALPHA (2) = .015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.0148	-.3719	-.7548	-.4125	-.5580	-.6460
.334	-.4492	-.5663	-.5771	-.4370	-.5532	-.3806
.520	-.6716	-.5720	-.5540	-.5178	-.5804	-.2800
.663	-.4695	-.6221	-.5584	-.3968	-.8132	-.2442
.876	-.2946	-.2868	-.3499	-.3485	-.4036	-.2002

MACH (1) = .165 ALPHA (3) = 5.060 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.1601	-.0800	-.3404	-.1238	-.3237	-.6601
.334	.0128	-.1598	-.2101	-.1398	-.2957	-.2204
.520	-.0765	-.1300	-.2035	-.2674	-.4116	-.2284
.663	-.1132	-.2702	-.3271	-.2279	-.6957	-.2006
.876	.0326	-.0735	-.1734	-.1881	-.3126	-.1884

OA57 D16C5F1 JE4 W87E18X9 WING LOWER SURFACE (LD T008)

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.2942	.1037	-.0686	.0853	-.0997	-.5844
.334	.2490	.0811	.0389	.0864	-.0683	-.0487
.520	.3561	.0615	-.0396	-.1073	-.3240	-.1514
.663	.1089	-.0592	-.1221	-.0839	-.5068	-.1911
.876	.2175	.0843	-.0297	-.0801	-.2374	-.1712

MACH (1) = .165 ALPHA (5) = 15.045 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.3939	.2483	.1080	.2509	.0824	-.4908
.334	.4166	.2681	.2140	.2509	.1219	.0902
.520	.4073	.1340	.0202	-.0159	-.2438	-.0937
.663	.1559	.0465	-.0087	.0470	-.4927	-.1087
.876	.3625	.1904	.1263	.0391	-.1695	-.1597

MACH (1) = .165 ALPHA (6) = 19.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.4710	.3511	.2322	.3463	.1684	-.4293
.334	.5100	.3804	.3230	.3458	.2022	.1554
.520	.2713	.1543	.0478	.0135	-.2410	-.0926
.663	-.2230	.1252	.0349	.0806	-.5264	-.2927
.876	.4552	.3000	.2129	.1355	-.1199	-.1984

OA57 B16C5F1 .24 W87E18X9 WING LOWER SURFACE (LDTD12) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.206	SDFLAP =	-10.000
ELEVON =	.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0261	-.3538	-.5755	-.2820	-.3626	-.5596
.334	-.5006	-.5563	-.4614	-.2066	-.3504	-.2128
.520	-.7057	-.5050	-.4901	-.4410	-.4509	-.2169
.663	-.7475	-.6063	-.5601	-.3107	-.6126	-.1521
.876	-.4625	-.3665	-.3812	-.3428	-.3659	-.1847

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.0877	-.2325	-.4469	-.1703	-.3089	-.5197
.334	-.2897	-.3558	-.3263	-.1950	-.3145	-.1787
.520	-.5050	-.3489	-.3536	-.3440	-.3023	-.1789
.663	-.3772	-.4561	-.4268	-.2433	-.5988	-.1667
.876	-.1992	-.2056	-.2559	-.2511	-.3188	-.1706

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.1596	-.1024	-.3058	-.0630	-.2207	-.5240
.334	-.0022	-.1528	-.1685	-.0022	-.2366	-.1357
.520	-.0025	-.1157	-.1716	-.2249	-.3606	-.1953
.663	-.0758	-.2328	-.2546	-.1618	-.5732	-.1832
.876	.0509	-.0420	-.1315	-.1447	-.2603	-.1552

OA57 B16C5F1 J24 W87E18X9 WING LOWER SURFACE (LDT012)

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.2477	.0420	-.1568	.0280	-.1198	-.5016
.334	.1883	.0222	-.0238	.0200	-.1199	-.0754
.520	.3120	.0486	-.0534	-.1085	-.2797	-.1620
.663	.0318	.0024	-.1027	-.0515	-.5392	-.2169
.876	.2391	.1078	-.0074	-.0438	-.1954	-.1459

MACH (1) = .165 ALPHA (5) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.3264	.1424	-.0240	.1379	-.0519	-.4747
.334	.3252	.1549	.0967	.1229	-.0360	-.0122
.520	.4248	.0898	-.0078	-.0441	-.2755	-.1571
.663	.1626	.0472	-.0240	.0316	-.4306	-.2275
.876	.3554	.2027	.0991	.0275	-.1534	-.1809

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.4059	.2567	.1044	.2011	.0343	-.4605
.334	.4330	.2739	.2079	.1947	.0187	.0146
.520	.3712	.0763	.0378	-.0049	-.2654	-.2043
.663	.0372	.1397	.0672	.0918	-.4303	-.3565
.876	.4492	.2888	.2060	.1117	-.1245	-.2114

0A57 B16C5F1 .24 W87E18X9 WING LOWER SURFACE (LDTD16) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4080 W.P.		
SCALE =	.0400 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/D =	.286	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.0210	-.2652	-.4374	-.1159	-.2089	-.5243
.334	-.3767	-.4273	-.2956	-.0908	.0341	-.1280
.520	-.5903	-.3326	-.2753	-.1242	.2333	.1317
.663	-.5294	-.3293	-.5056	-.0756	.0644	2.2214
.876	-.2282	-.1505	-.1407	-.0715	.0667	-.0432

MACH (1) = .165 ALPHA (2) = .005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.0942	-.1583	-.3240	-.0507	-.1461	-.4810
.334	-.1699	-.2521	-.1800	-.0225	.1024	-.1032
.520	-.3208	-.1221	-.1632	-.0507	.2275	.1397
.663	-.2158	-.1760	-.3650	.0623	.1189	2.2597
.876	-.0153	-.0267	-.0267	.0138	.0949	-.0266

MACH (1) = .165 ALPHA (3) = 4.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.1866	-.0288	-.1821	.0428	-.0733	-.4685
.334	.0765	-.0554	-.0321	.0786	.1505	-.0733
.520	.0862	.0373	.0010	.0666	.3603	.2716
.663	-.0718	.0241	-.1326	.1347	.1474	2.1307
.876	.1053	.1066	.1009	.1140	.1515	-.0053

0A57 B16C5F1 J24 WR7E18X9 WING LOWER SURFACE (LD TO16)

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.2621	.0745	-.0700	.1289	-.0032	-.4578
.334	.2458	.0778	.0807	.1691	.1965	-.0429
.520	.3839	.1138	.0878	.1369	.4238	.3038
.663	.3144	.1234	-.0570	.2767	.2158	2.0588
.876	.3236	.2050	.1806	.1024	.1958	-.0112

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.3629	.2137	.0859	.2262	.0956	-.4020
.334	.3921	.2398	.2168	.2710	.2787	.0438
.520	.4471	.1770	.1222	.2098	.4878	.4022
.663	.1651	.2288	.0764	.3485	.3286	1.9869
.876	.4466	.3166	.2046	.2891	.2574	.0278

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.4594	.3241	.1903	.3074	.1541	-.4204
.334	.5119	.3481	.3018	.3549	.3356	.0963
.520	.3288	.1714	.1595	.2342	.5039	.4310
.663	.0780	.3005	.1786	.4006	.3688	1.8209
.876	.5255	.3946	.3772	.3546	.2902	.0335

OA57 B16C5F1 J24 W87E18X9 WING LOWER SURFACE (LDT020) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .125 DOFLAP = -18.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1102	-.5814	-.9415	-.1916	-.1911	-.2411
.334	-.6521	-.8725	-.6863	-.1752	-.0386	-.1475
.520	-.6574	-.6604	-.5870	-.1184	.0304	-.0217
.663	-.6249	-.4355	-.6167	-.0662	-.0217	-.4989
.876	-.2714	-.2427	-.2282	-.0539	-.0084	-.0581

MACH (1) = .165 ALPHA (2) = -.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.0809	-.2395	-.4780	-.0739	-.1226	-.2272
.334	-.2254	-.3448	-.2901	-.0501	-.0059	-.0685
.520	-.3782	-.1910	-.2162	-.0464	.0622	.0081
.663	-.2343	-.2182	-.4207	-.0019	.0343	-.3838
.876	-.0182	-.0650	-.0817	-.0141	.0182	-.0342

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.2190	.0136	-.1457	.0128	-.0354	-.2025
.334	.1459	-.0029	.0070	.0409	.0612	-.0194
.520	.1750	.0667	.0235	.0247	.1500	.0890
.663	-.0659	.0334	-.1261	.0808	.0611	-.3029
.876	.1000	.0734	.0527	.0287	.0408	-.0314

OA57 D16C5F1 J24 W87E18X9 WING LOWER SURFACE (LD T020)

MACH (1) = .165 ALPHA (4) = 0.955 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.3364	.1751	.0841	.0832	.0313	-.1639
.334	.3298	.1083	.1919	.1033	.1199	.0473
.520	.4226	.1906	.1295	.0669	.1689	.0011
.663	.2258	.1277	-.0477	.1062	.1044	-.3297
.676	.3236	.1735	.1718	.0627	.0517	-.0364

MACH (1) = .165 ALPHA (5) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.4164	.3011	.2269	.1365	.0935	-.1237
.334	.4757	.3412	.3347	.1554	.1573	.1018
.520	.4193	.2274	.1587	.0924	.1734	.0078
.663	.0376	.2008	.0640	.1190	.1372	-.2927
.676	.4127	.2722	.2678	.0970	.0807	-.0083

MACH (1) = .165 ALPHA (6) = 19.945 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.5193	.4206	.3542	.1703	.1292	-.1227
.334	.5820	.4709	.4374	.1853	.1865	.1245
.520	.0007	.2520	.2025	.1008	.1752	.0034
.663	-.0625	.2007	.1701	.1425	.1466	-.3618
.676	.5013	.3632	.3656	.1275	.0860	-.0169

OA57 B18C3F1 .24 W87E18X9 WING LOWER SURFACE (LD7024) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4080 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .038 DOFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/B						
.000	.4782	.4212	.3035	.2356	.2143	-.3593
.334	.5984	.5434	.6181	.2634	.3128	.1218
.520	.5229	.5448	.5010	.2367	.3793	.7830
.663	.2042	.1145	-.2274	.1342	.1093	.9108
.896	.1650	.0268	.0070	-.0096	-.0177	-.1284

MACH (1) = .165 ALPHA (2) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/B						
.000	.5270	.4676	.5658	.2659	.2714	-.3193
.334	.6416	.5883	.6407	.2768	.3268	.2784
.520	.3763	.4680	.4701	.2177	.3132	.6036
.663	-.0279	.0400	-.3254	.2162	.0750	.6670
.896	.3067	.1206	.1017	.0209	.0000	-.1245

MACH (1) = .165 ALPHA (3) = 19.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/B						
.000	.5838	.5465	.6070	.2598	.2692	-.0506
.334	.6907	.6293	.6680	.2677	.3111	.4312
.520	-.1059	.4908	.4024	.2148	.2538	.3869
.663	-.2955	.1413	-.2129	.1628	.0791	.4727
.896	.4122	.2710	.2383	.0578	.0273	-.1289

OA57 G16C5F1 J15 W87E18X9 WING LOWER SURFACE (LD T034) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .206 DOFLAP = -10.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0405	-.4875	-.5767	-.2604	-.3218	-.2155
.334	-.5162	-.5824	-.4021	-.3449	-.2853	-.2033
.520	-.8096	-.5866	-.4016	-.3480	-.4268	-.2965
.663	-.7500	-.2739	-.3276	-.3899	-.2323	-.3574
.876	-.3893	-.3108	-.3211	-.4231	-.3937	-.1503

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.0458	-.3579	-.4611	-.1726	-.2772	-.2104
.334	-.2810	-.3784	-.3557	-.2451	-.2204	-.1897
.520	-.5597	-.4231	-.2783	-.2536	-.3668	-.2658
.663	-.3788	-.1349	-.2117	-.3461	-.2108	-.3750
.876	-.1373	-.1700	-.2023	-.3376	-.3688	-.1908

MACH (1) = .165 ALPHA (3) = 4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.1302	-.2150	-.3326	-.0875	-.2107	-.2114
.334	-.0655	-.1693	-.1051	-.1436	-.1757	-.1629
.520	-.2546	-.2750	-.1351	-.1750	-.3819	-.2664
.663	.0643	.0477	-.0707	-.2574	-.2007	-.4310
.876	.0058	-.0200	-.0655	-.2455	-.3689	-.2036

DATA 016C5F1 J15 W87E18X9 WING LOWER SURFACE (LD:0341)

MACH (1) = .165 ALPHA (4) = 9.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.2356	-.0708	-.1782	.0225	-.1210	-.1747
.334	.1289	-.0074	-.0401	-.0209	-.0869	-.0919
.520	-.0567	-.0936	.0221	-.0724	-.3316	-.2581
.663	.3408	.1568	.0581	-.1643	-.1563	-.4131
.878	.2898	.1169	.0746	-.1370	-.2060	-.2194

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.3186	.0750	-.0547	.1250	-.0443	-.1710
.334	.2356	.1142	.0530	.0702	-.0210	-.0527
.520	-.0068	-.0065	.1345	-.0251	-.3320	-.2971
.663	.5294	.2946	.1980	-.0038	-.1199	-.4461
.878	.3750	.2031	.1601	-.0463	-.2698	-.3001

MACH (1) = .165 ALPHA (6) = 19.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/C						
.000	.4000	.2033	.0831	.2010	.0197	-.1715
.334	.3471	.2204	.1461	.1378	.0473	-.0348
.520	.0211	.0923	.2449	.0355	-.3402	-.3716
.663	.6756	.3937	.2061	-.0540	-.1331	-.5767
.878	.4543	.2573	.2354	.0238	-.2739	-.4337

OA57 B16C5F1 J15 W87E10X9 WING LOWER SURFACE (LDT042) (06 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0400 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/D = .286 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/D						
.000	-.0858	-.2590	-.4459	-.1298	-.1789	-.1589
.334	-.3601	-.4313	-.3273	-.1382	.1218	-.0168
.520	-.8335	-.4246	-.2424	-.0982	.3663	.4567
.663	-.5168	-.0694	-.0662	-.0188	.0933	.6606
.676	-.1749	-.1306	-.0460	.1306	.0600	-.1224

MACH (1) = .165 ALPHA (2) = .010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/D						
.000	-.0075	-.1538	-.3346	-.0636	-.1409	-.1493
.334	-.1891	-.2535	-.1811	-.0537	.1796	.0151
.520	-.3970	-.2737	-.1244	-.0051	.4446	.2410
.663	-.1913	.0620	.0389	.0474	.0674	.7420
.676	.0269	-.0141	.0489	.2043	.0795	-.1218

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/D						
.000	.1024	-.0167	-.1956	.0337	-.0866	-.1297
.334	.0361	-.0963	-.0332	.0458	.2222	.0375
.520	-.1334	-.1127	.0228	.1543	.8809	-.1815
.663	.1816	.1063	.1574	.2343	.1291	.6650
.676	.2181	.1340	.1410	.2553	.1011	-.1338

OAS7 S16C5F1 J15 M97E18X9 WING LOWER SURFACE (LD1042)

MACH (1) = .165 ALPHA (4) = 9.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	.1924	.1114	-.0750	.1329	.0062	-.1163
.334	.1660	.0767	.0768	.1330	.2878	.0656
.520	.0103	.0135	.1475	.1927	.7635	-.0217
.663	.4351	.3134	.2585	.2170	.1530	1.0038
.076	.3506	.2124	.2093	.3406	.0654	-.1708

MACH (1) = .165 ALPHA (5) = 14.968 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	.2016	.2331	.0929	.2170	.0998	-.0921
.334	.2094	.2013	.1752	.2086	.3591	.1663
.520	.0508	.0691	.2752	.2164	.8277	-.0336
.663	.6172	.4532	.3918	.3180	.1666	1.3534
.076	.4445	.2691	.3076	.4200	.1076	-.1324

MACH (1) = .165 ALPHA (6) = 19.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	.3509	.3214	.1572	.2651	.1361	-.1177
.334	.3923	.2602	.2728	.2650	.3005	.1308
.520	.0646	.1032	.3606	.2456	-.3047	-.1256
.663	.7365	.5238	.4606	.3359	.1204	1.6466
.076	.4917	.3274	.3478	.4298	.1281	-.2000

OA57 0163F1 J15 W87E16X9 WING LOWER SURFACE (LD7040) (08 NOV 73

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
LREF = 31.9350 IN. ZMRP = -.4350 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .125 DFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/B						
.000	-.2775	-.5100	-.3831	-.4402	-.4115	-.5415
.334	-.6216	-.9188	-.6222	-.4001	-.1693	-.2624
.520	-1.0333	-.7600	-.5347	-.2910	.2041	.1759
.663	-.6251	-.1762	-.2272	-.1269	.0455	.6120
.876	-.3010	-.2471	-.1225	.0943	.0415	-.1331

MACH (1) = .165 ALPHA (2) = -.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/B						
.000	-.0909	-.2021	-.3121	-.1762	-.2575	-.3159
.334	-.2869	-.3692	-.2743	-.1244	.0804	-.0846
.520	-.5115	-.3731	-.2267	-.0642	.4097	.3544
.663	-.2829	.0189	-.0208	.0208	.0441	.6714
.876	-.0343	-.0537	.0192	.2043	.1007	-.1438

MACH (1) = .165 ALPHA (3) = 4.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/B						
.000	.1042	.0477	-.1658	.0549	-.0536	-.4753
.334	.0643	-.0216	.0181	.0993	.2440	.1036
.520	-.1253	-.0651	.0281	.1798	.3646	.3222
.663	.1940	.2001	.1607	.1434	.0428	.8301
.876	.1099	.1009	.1272	.2440	.0630	-.1737

OA57 D16C5F1 J15 W87E18A9 WING LOWER SURFACE (LDTO48)

MACH (1) = .165 ALPHA (4) = 9.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.2259	.2008	.0577	.2387	.1294	-.3687
.334	.2608	.1817	.1080	.2735	.3919	.2767
.520	.0243	.0839	.2371	.2602	.3605	.37[illegible]
.663	.4607	.3452	.2059	.2321	.0662	1.06[illegible]
.076	.2947	.1917	.2010	.3626	.1622	-.1671

MACH (1) = .165 ALPHA (5) = 14.96[illegible] RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.3102	.3210	.2153	.3569	.2621	-.2934
.334	.3833	.2937	.3093	.3911	.4877	.3912
.520	.0224	.0745	.3393	.3571	.4220	.5026
.663	.6344	.4616	.3887	.2721	.0734	1.2536
.076	.3112	.2056	.2688	.4576	.0066	-.1036

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.0000
2Y/B						
.000	.4239	.4143	.3353	.4481	.3584	-.2789
.334	.4933	.4070	.4184	.4705	.5533	.4368
.520	.1640	.2483	.3806	.3823	.5072	.5438
.663	.7625	.5362	.3953	.2[illegible]9	.0783	1.2518
.076	.3927	.2000	.3502	.5310	.1495	-.2134

OA57 D16C5F1 J15 W87E18X9 WING LOWER SURFACE (LDTOSD) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.0300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.038	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 9.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.3831	.4395	.5088	6438	.6245	-.9295
.334	.5173	.4869	.5607	.7556	.8653	.1347
.520	.1344	.1548	.2921	.4002	2.1368	3.0412
.663	.4391	.2927	.2662	.5409	.2149	1.0807
.076	.1271	.0072	.0896	.3622	-.2234	-.9488

MACH (1) = .165 ALPHA (2) = 14.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.4505	.4918	.5625	.6918	.7250	-.4898
.334	.5523	.5109	.5569	.7563	.8795	.6784
.520	-.0479	.0206	.0622	.2035	1.9526	2.9500
.663	.5605	.1485	.0880	.3402	.2491	1.4977
.076	.1428	-.0284	.0656	.3300	-.1529	-.8833

MACH (1) = .165 ALPHA (3) = 19.981 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.5105	.5531	.6133	.7132	.7622	.0027
.334	.6035	.5548	.5920	.7765	.8785	1.0447
.520	-.0836	.0069	.1193	.2055	1.3855	2.3722
.663	.4202	.2546	.1041	.3692	.2538	1.0837
.076	.2789	.1414	.1875	.3695	-.1064	-.4200

OA57 B16C3F1 J15 W87E18X9 WING LOWER SURFACE (LD T056) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.F.T. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .038 DOFLAP = -10.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.031 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.4200	.3096	.3048	.4317	.2162	-1.4221
.334	.4373	.3583	.4098	.3080	3763	.2675
.520	.0325	.1344	.2269	.2102	.3054	-.1340
.663	.3306	.1085	.0633	.0047	.1394	-.1618
.876	.1443	.0011	-.0978	-.2007	-.4651	-.3873

MACH (1) = .165 ALPHA (2) = 15.006 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.4755	.3842	.4240	.5651	.5092	-.7224
.334	.4916	.4178	.4529	.6124	.6411	.5880
.520	-.0435	.0086	.1608	.1110	.5940	.0281
.663	.5617	.1808	-.0270	.0793	.1271	-.0897
.876	.1768	.0248	-.0336	-.2541	-.4594	-.4653

MACH (1) = .165 ALPHA (3) = 20.016 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.5475	.4757	.5198	.6537	.6442	.1353
.334	.5614	.488	.5087	.6061	.7407	.7320
.520	-.1338	-./234	.1178	.0035	.6576	.1409
.663	.6238	.1213	-.1851	-.0494	.1464	-.2158
.876	.2752	.141*	.1078	-.0060	-.4054	-.5603

OA57 B16C5F1 J15 W87E18X9 WING LOWER SURFACE (LDTOGO) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .125 SDFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2411	-.7206	-1.2729	-.7129	-.6735	-.4268
.334	-1.1472	-1.2566	-.9178	-.7365	-.6482	-.3670
.520	-1.4172	-1.0844	-.8352	-.7071	-.5777	-.2505
.663	-1.2103	-.5124	-.6298	-.4028	.0816	-.2912
.876	-.6163	-.5255	-.5141	-.5221	-.4951	-.2625

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0137	-.3389	-.7924	-.4226	-.5121	-.5376
.334	-.4722	-.6287	-.5270	-.4440	-.4954	-.3244
.520	-.8795	-.6020	-.4738	-.4915	-.4903	-.2886
.663	-.5658	-.2630	-.4081	-.3058	.0216	-.2371
.876	-.2654	-.2860	-.3213	-.4039	-.4379	-.2297

MACH (1) = .165 ALPHA (3) = 4.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.1492	-.0845	-.3780	-.1565	-.3102	-.5354
.334	-.0652	-.2070	-.1885	-.1650	-.2826	-.2088
.520	-.4080	-.2868	-.1852	-.2484	-.4180	-.3047
.663	-.0210	-.0317	-.1686	-.1924	-.0001	-.2329
.876	.0307	-.0783	-.1318	-.2951	-.3674	-.2606

OAT DI6C5T1 J15 W87E10X3 WING LOWER SURFACE (LDTO60)

MACH (1) = .165 ALPHA (4) = 9.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.2752	.0980	-.1080	.0738	-.0915	-.4862
.334	.1817	.0606	.0478	.0542	-.0682	-.0487
.520	-.1623	-.0502	.0381	-.1240	-.3326	-.2379
.663	.3475	.1491	.0251	-.0725	-.0252	-.2307
.876	.2225	.1065	.0121	-.1466	-.3052	-.2393

MACH (1) = .165 ALPHA (5) = 15.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.3659	.2227	.0673	.2091	.0026	-.3650
.334	.3161	.2072	.1846	.2044	.0868	.0871
.520	-.1273	.0257	.2074	-.0079	-.1576	-.4244
.663	.5507	.3088	.1978	.0274	-.0892	.0670
.876	.2961	.1717	.1232	-.0609	-.2673	-.3149

MACH (1) = .165 ALPHA (6) = 19.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	.4454	.3114	.2130	.3300	.1774	-.3604
.334	.4156	.3034	.2928	.3162	.1941	.1231
.520	-.0848	.0625	.3208	.0614	-.1199	-.4827
.663	.6002	.4030	.2627	.0059	-.0806	-.2149
.876	.3368	.2235	.1985	-.0098	-.2641	-.4387

OA57 B16C5F1 .24 W87E18X9 WING UPPER SURFACE (UDTOO4) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
CREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .038 ODFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/D						
.000	-.1640	-.2274	-.2301	-.1158	-.1698	-.0338
.334	-.8114	-.6374	-.5016	-.2759	-.1584	.0259
.520	-.8338	-.6379	-.5006	-.3521	-.2276	.5848
.663	-1.0063	-.6741	-.4578	-.2826	-.0970	.0182
.876	-1.3555	-.9908	-.6285	-.2964	-.1745	-.1080

MACH (1) = .165 ALPHA (2) = 15.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/D						
.000	-.2278	-.2800	-.2755	-.1566	-.2159	.0011
.334	-1.4716	-1.0149	-.6822	-.2939	-.1705	.0414
.520	-1.0190	-.7665	-.6230	-.4320	-.2738	-.5040
.663	-1.1856	-.7122	-.5200	-.3289	-.2197	-.1670
.876	-1.4297	-.9897	-.8802	-.3128	-.5739	-.4484

MACH (1) = .165 ALPHA (3) = 20.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/D						
.000	-.3249	-.3413	-1.5402	-.0451	-.2449	-.5797
.334	-2.0007	-1.3749	-.3170	-.5266	-.4305	-.0029
.520	-1.0744	-.8617	-.7034	-.6988	-.5219	-.0620
.663	-1.0409	-.8535	-.8312	-.5933	-.5245	-.4418
.876	-2.4033	-.8007	-.6898	-.3855	-.5116	-.3999

OA57 B16C5F: .24 W87E18X9 WING UPPER SURFACE (UDTG08) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .125 DFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0198	-.0828	-.0761	-.0009	-.0167	-.1989
.334	-.0767	-.2045	-.2180	-.1649	-.0060	.0013
.520	-.2851	-.3207	-.2967	-.2141	-.1076	.0634
.663	-.2944	-.3906	-.2596	-.2301	-.0018	.0598
.876	-.2438	-.4144	-.3484	-.2356	-.1031	.0200

MACH (1) = .165 ALPHA (2) = .015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0470	-.1088	-.1136	-.0230	-.0248	-.1983
.334	-.1918	-.2947	-.2773	-.1826	-.0908	.0074
.527	-.5716	-.4406	-.3671	-.2390	-.1028	.0720
.663	-.5458	-.5389	-.3626	-.2536	.0044	.0648
.876	-.5307	-.5796	-.4042	-.2531	-.0031	.0368

MACH (1) = .165 ALPHA (3) = 5.060 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0999	-.1502	-.1535	-.0540	-.0246	-.1903
.334	-.3419	-.4257	-.3521	-.2017	-.0923	.0435
.520	-.6070	-.5536	-.4202	-.2407	-.0809	.0471
.663	-.6255	-.5744	-.4710	-.2694	-.0313	.0471
.076	-.6370	-.7769	-.5241	-.3014	-.1241	.0109

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (UDTOO8)

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1509	-.2046	-.1997	-.1023	-.0347	-.1907
.334	-.7687	-.6357	-.4594	-.2556	-.1386	.0314
.520	-.8799	-.6166	-.4382	-.2749	-.1535	.0147
.663	-.9893	-.6899	-.4652	-.2760	-.0729	.0076
.876	-1.3325	-.0554	-.6133	-.3241	-.1558	-.0622

MACH (1) = .165 ALPHA (5) = 15.045 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2084	-.2448	-.2564	-.1485	-.0380	-.1908
.334	-1.3536	-1.0266	-.6404	-.3084	-.1675	.0317
.520	-.9461	-.7209	-.5736	-.4010	-.2611	-.0533
.663	-1.1694	-.6989	-.5005	-.3196	-.1071	-.0470
.876	-1.5721	-1.0788	-.7543	-.3302	-.5018	-.4898

MACH (1) = .165 ALPHA (6) = 19.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.3096	-.3627	-.3184	-.0627	-.1128	-.2182
.334	-1.9803	-1.4494	-.7054	-.4332	-.3554	-.0654
.520	-1.2074	-.8536	-.7267	-.6924	-.5116	-.2404
.663	-1.2159	-.8026	-.7430	-.5971	-.5387	-.4047
.876	-1.8333	-1.3959	-1.3269	-.5048	.6574	-.5702

OA57 P16C3F1 .24 W87E18X9 WING UPPER SURFACE (UDTD12) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.90
H/D = .286 DDFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/D						
.000	-.0008	-.1083	-.0541	.0177	.0195	-.1413
.334	-.0679	-.1782	-.1826	-.1175	-.0397	.0720
.520	-.2755	-.2905	-.2597	-.1643	-.0433	.1319
.663	-.2837	-.3406	-.2563	-.1845	.0311	.1130
.076	-.2391	-.3825	-.3097	-.1917	-.0617	.0656

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/D						
.000	-.0280	-.1292	-.0904	.0010	.0077	-.1454
.334	-.1654	-.2628	-.2408	-.1389	-.0610	.0592
.520	-.5378	-.4042	-.3348	-.1994	-.0522	.1162
.663	-.5158	-.4864	-.3408	-.2164	.0276	.0901
.076	-.5069	-.5430	-.3750	-.2253	-.0650	.0555

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/D						
.000	-.0751	-.1772	-.1398	-.0319	-.0036	-.1764
.334	-.3059	-.3812	-.3216	-.1695	-.0667	.0675
.520	-.7733	-.5410	-.4048	-.2174	-.0569	.0624
.663	-.7005	-.6458	-.4361	-.2444	-.0072	.0776
.076	-.0039	-.7365	-.4969	-.2852	-.1008	.0229

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (LOTO12)

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1374	-.2422	-.1855	-.0928	-.0167	-.1924
.334	-.6370	-.8131	-.4315	-.2358	-.1173	.0504
.520	-.8390	-.5877	-.4244	-.2463	-.1155	.0207
.663	-.0445	-.6753	-.4488	-.2471	-.0607	.0263
.878	-1.2690	-.9200	-.5889	-.2030	-.1322	-.0273

MACH (1) = .165 ALPHA (5) = [illegible].965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1069	-.3126	-.2417	-.1307	-.0446	-.2143
.334	-1.1188	-.9164	-.6448	-.2970	-.1987	.0180
.520	-.0460	-.7149	-.5286	-.3373	-.2255	-.0240
.663	-1.1715	-.7102	-.5001	-.3193	-.1108	-.0122
.878	-1.5970	-1.0797	-.6932	-.3578	-.3815	-.3791

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.3365	-.3921	-.3019	-.2201	-.0960	-.2520
.334	-1.7043	-1.4040	-.6948	-.4015	-.3492	-.0663
.520	-1.2444	-.8930	-.6530	-.6267	-.4970	-.1945
.663	-1.2344	-.8935	-.6707	-.5637	-.4512	-.3799
.878	-1.6416	-1.3687	-1.3911	-.5306	-.6063	-.5665

OA37 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (UD7D16) (08 NOV 73

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .286 DEFLAP = -18.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0075	-.1214	-.0887	-.0208	-.0086	-.5672
.334	-.1001	-.2438	-.2859	-.2649	-.2937	-.2508
.520	-.3728	-.3929	-.3969	-.3789	-.6828	-.0458
.663	-.3906	-.4916	-.4213	-.4274	-.6584	-.0938
.896	-.3888	-.5313	-.4032	-.5675	-.3580	-.0870

MACH (1) = .165 ALPHA (2) = .026 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0455	-.1538	-.1259	-.0411	-.0209	-.4992
.334	-.2250	-.3379	-.3526	-.3016	-.2932	-.2373
.520	-.6281	-.5204	-.4845	-.4247	-.6177	-.0864
.663	-.6580	-.6489	-.5253	-.4640	-.6446	-.1121
.896	-.6902	-.7083	-.6157	-.6449	-.4096	-.1047

MACH (1) = .165 ALPHA (3) = 4.986 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1063	-.2071	-.1693	-.0823	-.0266	-.5414
.334	-.3728	-.4702	-.4339	-.3315	-.3067	-.2391
.520	-.0707	-.6574	-.5506	-.4336	-.5064	-.1737
.663	-.0259	-.0045	-.6243	-.4772	-.5380	-.1943
.896	-1.1234	-.0624	-.7928	-.7259	-.5178	-.1690

OAS7 D16C5F1 .24 W07E18X9 WING UPPER SURFACE (LD TO16)

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	-.1585	-.2656	-.2301	-.1317	-.0607	-.5870
.334	-.7245	-.8983	-.5793	-.3976	-.3500	-.2317
.520	-.9785	-.7306	-.6001	-.4929	-.5058	-.0770
.663	-1.2086	-.0595	-.6668	-.5453	-.5172	-.2248
.076	-1.5914	-1.2167	-.9463	-.0258	-.5167	-.3470

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	-.2330	-.3389	-.2694	-.1844	-.0486	-.5942
.334	-1.2459	-1.0120	-.7564	-.4364	-.3870	-.2752
.520	-1.0667	-.8598	-.7072	-.5438	-.7980	-.1031
.663	-1.3054	-.9023	-.7236	-.5541	-.5246	-.2328
.076	-1.0067	-1.4317	-1.0700	-.9002	-.8905	-.0875

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	-.3242	-.4343	-.3535	-.1832	-.1026	-.6937
.334	-1.7693	-1.5806	-.9040	-.4701	-.4615	-.3120
.520	-1.4177	-1.0794	-.8922	-.7939	-1.0567	-.2499
.663	-1.3817	-1.1024	-1.0212	-.6423	-.0607	-.6445
.076	-1.6910	-1.4699	-1.5220	-.7469	-.9285	-.0685

OA57 B16C5F1 J24 W87E10X9 WING UPPER SURFACE (UD TO 20) (08 NOV 73

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5960 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTNAP = 1.900
HAC = .125 SDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/C						
.000	-.0317	-.0969	-.1168	-.0460	-.0581	-.3481
.334	-.1302	-.2764	-.3377	-.1459	-.1504	-.1208
.520	-.3505	-.4295	-.4518	-.1660	-.3146	-.0682
.663	-.4286	-.5349	-.4710	-.2025	-.3008	-.0869
.876	-.4137	-.5543	-.5216	-.2575	-.1693	-.0490

MACH (1) = .165 ALPHA (2) = -.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/C						
.000	-.0542	-.1378	-.1463	-.0440	-.0583	-.3164
.334	-.2425	-.3799	-.3914	-.1445	-.1464	-.1121
.520	-.6412	-.5528	-.5187	-.1875	-.2556	-.0663
.663	-.6842	-.6829	-.5568	-.2011	-.2708	-.0861
.876	-.7222	-.7246	-.6502	-.2739	-.1813	-.0625

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/C						
.000	-.1066	-.1724	-.1912	-.0584	-.0636	-.2633
.334	-.4256	-.5715	-.5071	-.1791	-.1400	-.0956
.520	-.6352	-.6468	-.5966	-.1931	-.1959	-.0583
.663	-.6767	-.7412	-.6461	-.2102	-.2217	-.0703
.876	-1.1714	-.9[illegible]	-.[illegible]	-.2[illegible]74	-.2214	-.0[illegible]45

OA57 B16C5F1 .24 W8PE18X9 WING UPPER SURFACE (UD1020)

MACH (1) = .165 ALPHA (4) = 9.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/C						
.000	-.1666	-.2328	-.2529	-.0775	-.0557	-.2715
.334	-.7496	-.6658	-.6201	-.1716	-.1525	-.0642
.520	-.9631	-.7463	-.6327	-.2137	-.2518	-.0227
.663	-1.2146	-.8559	-.6611	-.2230	-.2026	-.0792
.076	-1.6214	-1.2422	-.9491	-.3206	-.2100	-.1600

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/C						
.000	-.2423	-.2881	-.2922	-.0890	-.0536	-.2701
.334	-1.2844	-.9797	-.8900	-.1732	-.1495	-.0682
.520	-1.1658	-.8790	-.7268	-.2379	-.2928	-.0586
.663	-1.2729	-.0633	-.6981	-.2195	-.2066	-.1000
.076	-1.6795	-1.3663	-1.2008	-.3091	-.3958	-.4101

MACH (1) = .165 ALPHA (6) = 19.945 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z/C						
.000	-.3337	-.3636	-.3679	-.1367	-.0794	-.3089
.334	-1.0656	-1.4954	-.8392	-.2342	-.2290	-.1038
.520	-1.5527	-1.0519	-.9681	-.3629	-.3914	-.1512
.663	-1.2610	-1.1089	-1.0230	-.3638	-.3527	-.2561
.076	-1.4654	-1.3082	-1.4199	-.2895	-.3673	-.3247

DATE 25 SEP 74 TABULATED SOURCE DATA - OA57A (UDT024) (08 NOV 73)

OA57 B16C3F1 .24 W87E18X9 WING UPPER SURFACE

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/D =	.038	DEFLAP =	-10.000
ELEVON =	15.000	AILRON =	.00

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1789	-.2613	-.2597	-.0768	-.0674	-.0700
.334	-.6733	-.8667	-.5915	-.1592	-.1654	-.0634
.520	-.0894	-.7612	-.6616	-.2198	-.2781	.0000
.663	-1.1812	-.7930	-.6075	-.2037	-.1804	-.0593
.876	-1.6458	-1.2308	-.9403	-.1849	-.2221	-.1654

MACH (1) = .165 ALPHA (2) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2622	-.3141	-.3148	-.1030	-.0772	-.0716
.334	-1.3046	-.9947	-.6563	-.1733	-.2017	-.0764
.520	-1.2122	-.8866	-.7142	-.2587	-.3240	-.0723
.663	-1.3210	-.8815	-.6840	-.2427	-.2513	-.1413
.876	-1.7662	-1.3751	-1.4599	-.3201	-.3677	-.2078

MACH (1) = .165 ALPHA (3) = 19.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.3737	-.3775	-.4004	-.1691	-.1146	-.0859
.334	-1.8812	-1.4067	-.8812	-.2779	-.2590	-.1115
.520	-1.5050	-1.0848	-1.0206	-.3581	-.3753	-.1505
.663	-1.3123	-1.0681	-.9662	-.3835	-.3267	-.2697
.876	-1.0514	-1.4975	-1.6054	-.3691	-.3892	-.3314

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (UJT034) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .206 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0027	-.0607	-.0595	-.3192	-.0388	.0682
.334	-.0659	-.1760	-.1897	-.1294	-.0302	.0260
.520	-.2210	-.3036	-.2057	-.1416	-.1568	.1267
.663	-.2744	-.3069	-.2361	-.1952	.0006	.0602
.878	-.2148	-.3402	-.2492	-.0143	-.5135	-.2488

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0382	-.0977	-.1038	-.3349	-.0608	.0439
.334	-.1744	-.2572	-.2513	-.1511	-.0448	.0201
.520	-.3828	-.4029	-.2565	-.1660	-.1419	.0964
.663	-.5203	-.4338	-.3034	-.2318	-.0200	.0614
.878	-.4543	-.4914	-.2788	-.0393	-.4286	-.3268

MACH (1) = .165 ALPHA (3) = 4.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0963	-.1433	-.1540	-.3406	-.0630	.0293
.334	-.3269	-.3681	-.3194	-.1972	-.0646	-.0009
.520	-.5673	-.4854	-.3110	-.1957	-.1058	-.0093
.663	-.8128	-.5793	-.3729	-.2489	-.0582	.0154
.878	-.8105	-.6905	-.4352	-.1266	-.4480	-.2116

OA57 018C3F1 J15 W87E18X9 WING UPPER SURFACE (UD T034)

MACH (1) = .165 ALPHA (4) = 9.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1423	-.1943	-.1823	-.3138	-.0711	.0852
.334	-.5231	-.5341	-.3876	-.2122	-.0873	-.0153
.520	-.5758	-.5417	-.3358	-.1951	-.1295	.0229
.663	-1.0529	-.6680	-.4045	-.2554	-.0941	.0062
.876	-1.2271	-.9053	-.5545	-.2606	-.7640	-.1664

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2015	-.2432	-.2306	-.3172	-.0999	.0897
.334	-.9868	-.7244	-.4844	-.2695	-.1491	-.1040
.520	-.6991	-.5491	-.3489	-.2408	-.1749	-.0073
.663	-1.2498	-.7422	-.4627	-.3250	-.1180	-.0334
.876	-1.6364	-1.1176	-.7058	-.3878	-.6669	-.4221

MACH (1) = .165 ALPHA (6) = 19.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.3092	-.3311	-.2883	-.2865	-.2113	.0399
.334	-1.4140	-.9521	-.6132	-.4562	-.2803	-.1904
.520	-.7411	-.5899	-.5444	-.4662	-.3602	-.1439
.663	-1.2100	-1.0201	-.6747	-.6713	-.2616	-.2308
.876	-1.3337	-1.2678	-1.2308	-.7804	-1.0302	-.3607

OA57 B16C3F1 J15 W87E18X9 WING UPPER SURFACE (UDTO42) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/D = .266 DOFLAP = -18.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0037	-.1209	-.0912	-.0386	-.0824	.1009
.334	-.1009	-.2410	-.2843	-.2579	-.3386	-.2556
.520	-.3008	-.4247	-.3602	-.3055	-.5807	-.1478
.663	-.4308	-.4561	-.3880	-.3634	-.6509	-.1471
.876	-.3259	-.5452	-.4566	-.6670	-.3472	-.1140

MACH (1) = .165 ALPHA (2) = .010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0488	-.1698	-.1393	-.0874	-.1044	.0570
.334	-.2389	-.3441	-.3570	-.3093	-.4012	-.2652
.520	-.5300	-.5372	-.4336	-.3525	-.5403	-.1365
.663	-.7959	-.6179	-.4788	-.4008	-.6600	-.1762
.076	-.6881	-.7631	-.5352	-.7716	-.4020	-.1557

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1063	-.2158	-.1813	-.1015	-.1122	.0340
.334	-.3796	-.4637	-.4204	-.3421	-.3648	-.2449
.520	-.6771	-.5021	-.4847	-.3723	-.4285	-.1972
.663	-1.1403	-.7665	-.5497	-.3958	-.6030	-.2176
.076	-1.1371	-.0557	-.6077	-.8430	-.4520	-.2429

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (UDTD42)

MACH (1) = .165 ALPHA (4) = 9.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1636	-.2774	-.2355	-.1306	-.1197	.0866
.334	-.6463	-.6351	-.5290	-.3645	-.4472	-.3149
.520	-.7326	-.6441	-.5061	-.3792	-.5266	-.1354
.663	-1.4240	-.0653	-.6139	-.4064	-.5708	-.2211
.876	-1.6117	-1.2560	-.7500	-.9099	-.5123	-.4204

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2375	-.3362	-.2772	-.1893	-.1250	.0838
.334	-1.1440	-.0137	-.6206	-.4031	-.3504	-.3769
.520	-.8436	-.6307	-.5182	-.4160	-.6735	-.1523
.663	-1.4841	-.9122	-.6540	-.4650	-.4643	-.2183
.876	-2.0018	-1.4706	-1.1102	-1.0670	-.8036	-1.1741

MACH (1) = .165 ALPHA (6) = 19.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.0000
2Y/B						
.000	-.3523	-.3952	-.3389	-.2941	-.2235	.0358
.334	-1.6336	-1.1556	-.8093	-.5780	-.4909	-.4873
.520	-.9189	-.7744	-.7870	-.6977	-1.0114	-.3333
.663	-1.7410	-1.3958	-1.2063	-.8686	-.7102	-.4546
.876	-1.3860	-1.3699	-1.4362	-1.2258	-1.0661	-1.1348

OA57 B16C5F1 J15 WRPE18X9 WING UPPER SURFACE (UD T048) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .125 DOFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0346	-.1604	-.1214	-.0725	-.1221	.0578
.334	-.1364	-.2814	-.3298	-.3317	-.4072	-.3125
.520	-.3534	-.2794	-.3746	-.3349	-1.3419	-.0904
.663	-.4167	-.4883	-.4161	-.4563	-.5179	-.1383
.876	-.3072	-.5627	-.5131	-.5128	-.4117	-.1212

MACH (1) = .165 ALPHA (2) = -.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0832	-.1957	-.1500	-.0883	-.1388	.0448
.334	-.2596	-.3911	-.3887	-.3477	-.4325	-.2933
.520	-.5523	-.4201	-.4431	-.3539	-1.1015	-.1327
.663	-.7885	-.6328	-.5091	-.4796	-.4632	-.1738
.876	-.6987	-.7257	-.6296	-.5858	-.4481	-.1859

MACH (1) = .165 ALPHA (3) = 4.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1180	-.2372	-.2003	-.1141	-.1217	.0140
.334	-.4239	-.5533	-.4690	-.3687	-.3311	-.2235
.520	-.6964	-.5276	-.4921	-.3741	-.6004	-.2060
.663	-1.1617	-.7901	-.5771	-.4847	-.4214	-.1848
.876	-1.1912	-.9407	-.7724	-.6685	-.5276	-.2602

OA57 B16CSF1 J15 W87E18X9 WING UPPER SURFACE (LD T048)

MACH (1) = .165 ALPHA (4) = 9.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1789	-.2979	-.2400	-.1515	-.1117	.0808
.334	-.6934	-.6216	-.5504	-.3797	-.4031	-.2713
.520	-.6657	-.5553	-.4902	-.3640	-.8000	-.0592
.663	-1.4259	-.8670	-.6003	-.4644	-.4180	-.1667
.876	-1.6701	-1.2156	-.9307	-.7654	-.5569	-.4007

MACH (1) = .165 ALPHA (5) = 14.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2507	-.3612	-.2766	-.1936	-.1307	.0974
.334	-1.1628	-.8404	-.6159	-.3954	-.3730	-.2998
.520	-.7293	-.5432	-.5078	-.3945	-1.0395	-.0608
.663	-1.3823	-.9189	-.6370	-.4685	-.4460	-.2125
.876	-2.0464	-1.4680	-1.1718	-1.0485	-.9776	-1.2034

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.3467	-.4046	-.3583	-.3013	-.2426	.0433
.334	-1.5845	-1.1441	-.8428	-.6297	-.5611	-.4373
.520	-.8355	-.7618	-.9779	-.7695	-1.5425	-.2302
.663	-1.4858	-1.4041	-1.2575	-1.0158	-.8127	-.5938
.876	-1.1726	-1.1793	-1.1973	-1.0716	-.9703	-.9872

OA37 B16C5F1 J15 W8PE16X9 WING UPPER SURFACE (UD7050) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	39.9330 IN.	ZMRP =	-.4080 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.038	DOFLAP =	-10.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 9.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.1630	-.3268	-.2833	-.1650	-.1298	.0228
.334	-.6547	-.6945	-.5378	-.3908	-.3732	-.2447
.520	-.8529	-.4891	-.4792	-.3688	-.8605	-.0408
.663	-1.3808	-1.0217	-.5843	-.4600	-.4000	-.1847
.878	-1.7040	-1.2515	-.9763	-.7979	-.5642	-.4048

MACH (1) = .165 ALPHA (2) = 14.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIADLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.2805	-.3818	-.3150	-.2200	-.1593	.0208
.334	-1.1749	-.7981	-.6310	-.4329	-.3404	-.2283
.520	-.7168	-.5007	-.5988	-.4651	-1.0487	-.0820
.663	-1.3431	-.9822	-.6531	-.5283	-.4180	-.2238
.878	-2.0583	-1.5116	-1.3144	-1.1644	-1.0350	-1.2119

MACH (1) = .165 ALPHA (3) = 19.981 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIADLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.3758	-.4255	-.3787	-.3383	-.2754	-.0012
.334	-1.8134	-1.1442	-.8248	-.6409	-.5019	-.3039
.520	-.0501	-.8181	-1.0230	-.7632	-1.5333	-.2261
.663	-1.7031	-1.4433	-1.1056	-.9504	-.7019	-.5800
.878	-1.2733	-1.2308	-1.1911	-1.0488	-.9564	-.8779

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (UD T056) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
CREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900		
H/D =	.030	SDFLAP =	-10.000		
ELEVON =	.000	AILRON =	.000		

MACH (1) = .165 ALPHA (1) = 10.031 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/B						
.000	-.1621	-.2980	-.2208	-.1242	-.1015	.0391
.334	-.5065	-.6284	-.4098	-.2273	.0074	.0134
.520	-.6410	-.4736	-.3604	-.2110	.0376	.0849
.663	-1.2302	-.6854	-.4217	-.2559	-.0916	-.0057
.676	-1.3663	-.9970	-.5861	-.3735	-.2433	-.1515

MACH (1) = .165 ALPHA (2) = 15.008 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/B						
.000	-.2397	-.3380	-.2612	-.1837	-.1281	.0871
.334	-1.1148	-.7991	-.4482	-.2819	.0470	-.0129
.520	-.6467	-.4274	-.4025	-.2662	.0650	.0279
.663	-1.1770	-.7483	-.5037	-.3264	-.1357	-.0621
.676	-1.6591	-1.0904	-.8451	-.7338	-.7121	-.6753

MACH (1) = .165 ALPHA (3) = 20.016 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/B						
.000	-.3377	-.3754	-.3257	-.3593	-.2563	.0384
.334	-1.4000	-.9663	-.6810	-.4891	.0864	-.1064
.520	-.6739	-.6144	-.7600	-.4652	-.0669	-.1601
.663	-1.3076	-1.2616	-.9936	-.7040	-.3702	-.3779
.676	-1.3004	-1.1672	-1.1752	-.9787	-.8693	-.7817

OA57 S16C5F1 J15 WRTE16X9 WING UPPER SURFACE (UD TO80) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
HREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/C = .125 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0349	-.1350	-.0886	-.0440	-.0874	.0308
.334	-.0044	-.2109	-.2264	-.1066	-.0027	.0263
.520	-.2540	-.1979	-.2373	-.1314	-.0306	.0972
.663	-.2695	-.3515	-.2598	-.1936	-.0069	.0466
.876	-.1104	-.2421	-.3036	-.1754	-.0853	.0056

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0509	-.1614	-.1291	-.0427	-.0842	.0081
.334	-.2084	-.2766	-.2744	-.1949	-.0804	.0427
.520	-.4364	-.3011	-.2685	-.1600	-.0521	.0098
.663	-.5799	-.4982	-.3237	-.2299	-.0412	.0857
.876	-.4147	-.4404	-.3583	-.2141	-.0839	.0229

MACH (1) = .165 ALPHA (3) = 4.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
2Y/B						
.000	-.0993	-.2139	-.1649	-.0686	-.0743	.0025
.334	-.3616	-.4546	-.3414	-.2185	-.1008	.0485
.520	-.6001	-.4149	-.3459	-.1957	-.1226	-.0107
.663	-.9451	-.6312	-.3904	-.2372	-.0733	.0158
.876	-.0869	-.6663	-.4543	-.3070	-.1247	-.0083

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (LO TO60)

MACH (1) = .165 ALPHA (4) = 9.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	-.1474	-.2848	-.2099	-.1032	-.0730	.0493
.334	-.5928	-.5709	-.4166	-.2906	-.1140	.0409
.520	-.6119	-.4691	-.3593	-.2002	-.1261	.0682
.663	-1.2099	-.6994	-.4213	-.2400	-.0982	.0107
.896	-1.3617	-.8949	-.5358	-.3516	-.1705	-.0655

MACH (1) = .165 ALPHA (5) = 15.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	-.2260	-.3031	-.2456	-.1584	-.0680	.0768
.334	-1.0356	-.7980	-.4648	-.2686	-.1318	-.0234
.520	-.7359	-.4040	-.3678	-.2264	-.1429	.0544
.663	-1.2854	-.7871	-.4662	-.2612	-.1016	-.0262
.896	-1.6859	-1.1073	-.7168	-.5273	-.4543	-.4370

MACH (1) = .165 ALPHA (6) = 19.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

X/C	.1500	.3000	.4500	.6000	.7500	.9000
Z Y/C						
.000	-.3218	-.3737	-.3226	-.1998	-.2160	.0276
.334	-1.4729	-1.0177	-.6371	-.4657	-.2478	-.1103
.520	-.9690	-.6001	-.5076	-.5129	-.3657	-.0645
.663	-1.3604	-1.2402	-1.0139	-.6873	-.3834	-.3248
.896	-1.2684	-1.1863	-1.2486	-1.0081	-.9578	-.8688

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (M2.7002) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 S.P.		
LREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.038	DOFLAP =	-10.000
ELEVON =	.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 9.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.7942	.1686	.0782	.1529	-.4423
-.750	.2969	.2694	.1106	-.0592	-.4973
-.600	.5064	.4631	.2060	.1071	-.1947
-.450	.4139	.4560	.1778	-.0780	-.0879
-.300	.3936	.4616	.3848	.0088	.0088
-.150	.4568	.5502	.5219	.1907	.1773
.150	-.1586	-.8104	-.0675	-1.0525	-1.4341
.300	-.2381	-.6594	-.6777	-.6878	-1.0307
.450	-.2371	-.3455	-.5400	-.4727	-.6547
.600	-.1170	-.2853	-.3597	-.2906	-.2081
.750	.0329	-.1976	-.2657	-.0971	-.2244
.900	-.2166	.0105	.0077	.0006	-.1584

MACH (1) = .165 ALPHA (2) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.4788	.3180	.1432	.2253	-.4144
-.750	.4982	.4381	.2362	-.0252	-.2794
-.600	.6110	.5497	.2219	.1467	.0410
-.450	.5211	.5397	.1527	.0013	.0592
-.300	.4711	.5514	.3443	.1044	.1467
-.150	.5209	.6194	.2366	-.0895	.3374
.150	-.2375	-1.5902	-1.1994	-1.2330	-1.6167
.300	-.2025	-1.2109	-.8914	-.7659	-1.1656
.450	-.2994	-.7112	-.7003	-.5733	-1.2297
.600	-.1467	-.3050	-.5132	-.4081	-.2716
.750	.0121	-.2079	-.4027	-.3424	-.4562
.900	-.2117	-.0049	.0181	-.2082	-.3054

GA37 D16C3F1 .24 WGTE18X9 WING UPPER SURFACE (WD7002)

MACH (1) = .165 ALPHA (3) = 19.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/L	.0000	.3340	.5200	.8630	.9760
X/C					
-.900	-.1170	.4158	.1609	.1084	-.3773
-.750	.3013	.4083	.2635	-.0384	-.1574
-.600	.6630	.5931	.2628	.1983	.1559
-.450	.5745	.5027	.2200	.0686	.2372
-.300	.5253	.6060	.3755	.1075	.2081
-.150	.5606	.6814	.2833	-.0699	.4330
.150	-.3965	-2.3191	-1.6669	-1.3558	-1.3367
.300	-.4099	-1.7417	-1.2017	-1.0004	-1.0041
.450	-.3506	-.6188	-.5016	-.9311	-1.1161
.600	-.3269	-.5102	-.6286	-.6078	-.6476
.750	-.0410	-.4454	-.6012	-.6573	-.6703
.900	-.1049	-.0975	-.3444	-.5040	-.6300

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTD03) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.500
H/C = .038 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-1.6653	.2584	.0132	.2328	-.4022
-.750	.2581	.3662	.1124	-.2999	-.4087
-.600	.4715	.5128	.1960	.1725	-.1978
-.450	.3634	.4513	.1967	-.1630	-.1443
-.300	.3519	.4207	.3877	-.0695	-.0075
-.150	.4340	.5170	.4400	.1364	.1533
.150	-.1564	-.8512	-.8425	-1.0071	-1.3544
.300	-.2308	-.6732	-.6678	-.6693	-.9708
.450	-.2113	-.4957	-.5038	-.4735	-.6590
.600	-.1086	-.2813	-.3565	-.2537	-.2703
.750	-.1128	-.1641	-.2575	-.0795	-.1700
.900	-.0115	.0475	-.0308	.0016	-.1376

MACH (1) = .165 ALPHA (2) = 14.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-1.1048	.4926	.1853	.1967	-.4585
-.750	.5328	.5768	.2501	-.3089	-.4254
-.600	.6019	.6253	.2877	.1834	-.1033
-.450	.4945	.5461	.2116	-.0968	.0135
-.300	.4549	.5231	.4186	.0104	.1047
-.150	.5149	.6062	.3885	.0059	.2881
.150	-.2223	-1.4605	-1.1027	-1.2423	-1.4430
.300	-.2067	-1.0966	-.8035	-.7458	-1.0089
.450	-.2641	-.7324	-.6445	-.5709	-1.0268
.600	-.1461	-.2972	-.4329	-.3811	-.3206
.750	-.1491	-.2005	-.3285	-.2219	-.5036
.900	.0444	.0197	-.1672	-.1476	-.3978

OA57 D16C5F1 J24 W97E18X0 WING UPPER SURFACE (WD TG03)

MACH (1) = .165 ALPHA (3) = 20.020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5205	.6630	.8760
X/C					
-.900	-.3902	.6102	.2373	.0556	-.4821
-.750	.6377	.8518	.3082	-.3517	-.3655
-.600	.6618	.6683	.3204	.1802	.0321
-.450	.5409	.5075	.2524	-.0335	.1356
-.300	.5146	.5068	.4053	.0922	.2239
-.150	.5667	.8634	.0047	-.3306	.3006
.150	-.3106	-2.1412	-1.2556	-1.0024	-1.0202
.300	-.3243	-1.4287	-.9066	-.8099	-1.4232
.450	-.3502	-.8370	-.9055	-.7714	-1.3133
.600	-.2931	-.5468	-.7607	-.7063	-.4667
.750	-.1974	-.3879	-.5745	-.5605	-.6470
.900	-.0667	-.0698	-.2785	-.4363	-.5500

OA57 D16C5F1 .24 WRTE10X9 WING UPPER SURFACE (WDTDD4) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.038	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 10.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-2.7213	.2004	.0496	.0933	-.3297
-.750	.1415	.2932	.1296	-.3312	-.3825
-.600	.4148	.4778	.1686	.1331	-.1922
-.450	.2962	.4099	.1719	-.1493	-.1392
-.300	.3233	.3759	.3431	-.0769	-.0140
-.150	.4230	.4844	.4097	.1362	.1528
.150	-.1640	-.8114	-.8338	-1.0063	-1.3555
.300	-.2274	-.6374	-.6379	-.6741	-.9908
.450	-.2301	-.5016	-.5105	-.4578	-.6286
.600	-.1158	-.2759	-.3521	-.2828	-.2064
.750	-.1698	-.1584	-.2276	-.0970	-.1745
.900	-.0398	.0259	.5848	.0182	-.1080

MACH (1) = .165 ALPHA (2) = 15.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-1.7991	.4856	.2641	.1575	-.4376
-.750	.4820	.5306	.3327	-.2802	-.4342
-.600	.5657	.6124	.3225	.2135	-.0917
-.450	.4524	.5135	.2649	-.0045	.0102
-.300	.4304	.5019	.4127	-.0101	.0982
-.150	.4982	.5879	.3630	.1177	.2980
.150	-.2278	-1.4716	-1.0190	-1.1856	-1.4297
.300	-.2850	-1.0149	-.7665	-.7122	-.9697
.450	-.2755	-.6822	-.6230	-.5200	-.8002
.600	-.1568	-.2900	-.4320	-.3289	-.3128
.750	-.2159	-.1705	-.2738	-.2197	-.5739
.900	.0011	.0414	-.5040	-.1670	-.4464

OA57 .1605F1 J24 WR7E18X9 WING UPPER SURFACE (NO TOG4)

MACH (1) = .165 ALPHA (3) = 20.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/L	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3799	-.8247	.6573	.3155	.0173
-.750	.6287	.6403	.3624	.1305	-.3207
-.600	.6485	.6558	.3757	.2716	.0334
-.450	.2561	.5496	.5057	.2056	-.0693
-.300	.5334	.5820	.4013	.2522	-.0076
-.150	.5744	.6618	.0306	-.2203	.4229
.150	-.3249	-2.0007	-1.0744	-1.0409	-2.4033
.300	-.3413	-1.3749	-.8617	-.8535	-.0007
.450	-1.5402	-.3170	-.7834	-.8312	-.6898
.600	-.0451	-.5256	-.8088	-.5033	-.2665
.750	-.2449	-.4305	-.5219	-.5245	-.5116
.900	-.5797	-.0029	-.0620	-.4418	-.3999

OA57 B16C5F1 J24 W8PE18X9 WING UPPER SURFACE (WDT005) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .125 SDFLAP = -10.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.998 RN/L = 1.200 MACH = .165

SECTION (1)WING . DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5428	-.2261	-.2139	-.0882	-.2180
-.750	-.3639	-.3558	-.3720	-.2991	-.4048
-.600	-.2545	-.2998	-.4047	-.2422	-.3597
-.450	-.6339	-.4778	-.4980	-.4337	-.3932
-.300	-.4167	-.6098	-.4085	-.5151	-.3561
-.150	-.0342	-.5938	-.6642	-.6941	-.4267
.150	-.0110	-.0882	-.3418	-.3475	-.3137
.300	-.0757	-.2114	-.3401	-.3965	-.4549
.450	-.0027	-.2249	-.3044	-.2990	-.3547
.600	-.0058	-.1556	-.2065	-.2210	-.2167
.750	-.1738	-.0809	-.0920	.0275	-.0865
.900	-.1474	.0248	-.2033	.0817	.0346

MACH (1) = .165 ALPHA (2) = .005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5748	-.1681	-.1197	-.0190	-.1639
-.750	-.2661	-.2520	-.2480	-.2159	-.3288
-.600	-.0998	-.1562	-.2408	-.1198	-.2280
-.450	-.3560	-.2249	-.2147	-.2347	-.2415
-.300	-.1639	-.2410	-.0767	-.2613	-.1574
-.150	.1106	-.1679	-.2564	-.2991	-.1203
.150	-.0430	-.2096	-.5716	-.5798	-.6085
.300	-.1044	-.2974	-.4557	-.5406	-.6092
.450	-.1120	-.2795	-.3727	-.3759	-.4120
.600	-.0219	-.1736	-.2259	-.2347	-.2456
.750	-.1662	-.0821	-.0870	.0250	-.0822
.900	-.1715	.0305	-.1575	.0827	.0445

0A57 B16C5P1 .24 W87E18X9 WING UPPER SURFACE (WDTOOS)

MACH (1) = .165 ALPHA (3) = 5.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5680	-.1013	-.1125	-.0188	-.1517
-.750	-.1255	-.1254	-.1806	-.1414	-.2406
-.600	.0654	.0010	-.0748	-.0070	-.1219
-.450	-.1079	-.0066	.0139	-.0577	-.0877
-.300	.0336	.0206	.0890	-.0169	.0304
-.150	.2327	.1496	.2118	-.1119	.1221
.150	-.0809	-.3765	-.8681	-.8551	-1.0225
.300	-.1526	-.4654	-.5606	-.6535	-.8134
.450	-.1624	-.3021	-.4193	-.4442	-.5148
.600	-.0868	-.2162	-.2380	-.2500	-.3075
.750	-.1657	-.1062	-.0823	-.0362	-.1300
.900	-.2283	.0472	-.1207	.0510	.0069

MACH (1) = .165 ALPHA (4) = 10.006 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5481	-.0081	-.1045	.0177	-.1661
-.750	.0137	.0058	-.1636	-.0970	-.1962
-.600	.2119	.1531	.0218	.0616	-.0140
-.450	.0730	.1641	.0064	.0389	.0403
-.300	.1703	.2026	.1802	.0828	.1419
-.150	.3298	.3412	.4602	.2401	.2617
.150	-.1373	-.8351	-.8774	-1.0739	-1.4148
.300	-.2213	-.6885	-.6314	-.6737	-1.0055
.450	-.2165	-.5023	-.4722	-.4681	-.6308
.600	-.0989	-.2777	-.3158	-.3033	-.3647
.750	-.1783	-.1627	-.1856	-.1017	-.1788
.900	-.3202	.0211	-.1610	-.0067	-.0938

MACH (1) = .165 ALPHA (5) = 14.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4405	.0846	-.0568	.0294	-.1306
-.750	.1516	.1321	-.1001	-.0373	-.1038
-.600	.3390	.2722	.1293	.1761	.1204
-.450	.2294	.2031	.1125	.1373	.1628
-.300	.2466	.3415	.1736	.2026	.2511

OA57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTG05)

MACH (1) = .165 ALPHA (5) = 14.990

SECTION (1)WING DEPENDENT VARIABLE C_P

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.4254	.4720	.4714	-.0277	.4042
.150	-.2088	-1.3709	-1.0842	-1.2210	-1.5647
.300	-.2745	-1.1085	-.8232	-.7580	-1.0646
.450	-.2699	-.6855	-.6373	-.5622	-.9820
.600	-.1524	-.3206	-.4584	-.3706	-.3555
.750	-.1896	-.1884	-.3075	-.2067	-.5638
.900	-.3026	.0362	-.2018	-.1195	-.4626

MACH (1) = .165 ALPHA (6) = 20.006 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4122	.1201	-.0938	-.0202	-.1751
-.750	.2375	.1865	-.1017	-.0047	-.0784
-.600	.4175	.3463	.1864	.2296	.1868
-.450	.3345	.3918	.3209	.2150	.2409
-.300	.4084	.4625	.2381	.2605	.3342
-.150	.5050	.5776	.4334	.0491	.4856
.150	-.3173	-1.9956	-1.4226	-1.2204	-1.3368
.300	-.3561	-1.6109	-1.0119	-.9212	-1.1753
.450	-.3369	-.0001	-.8236	-.8452	-1.0050
.600	-.2751	-.4303	-.7706	-.7165	-.6102
.750	-.2201	-.3699	-.5699	-.6226	-.6557
.900	-.4061	-.0862	-.2453	-.4743	-.5683

OA57 S16C5F1 J24 W8PE18X9 WING UPPER SURFACE (WDTOO8) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
CREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/C = .125 DFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.3089	-.2219	-.1936	-.0919	-.2138
-.750	-.3404	-.3169	-.3374	-.2369	-.3006
-.600	-.3020	-.3066	-.4406	-.2980	-.3741
-.450	-.6587	-.4806	-.5138	-.4797	-.4015
-.300	-.4625	-.6910	-.4728	-.5445	-.3631
-.150	-.0406	-.6648	-.7520	-.7379	-.4685
.150	-.0112	-.0878	-.3365	-.3388	-.3089
.300	-.0809	-.2094	-.3328	-.4112	-.4529
.450	-.0815	-.2225	-.3049	-.3029	-.3565
.600	-.0084	-.1549	-.2080	-.2290	-.2242
.750	-.2000	-.0849	-.0936	.0093	-.0835
.900	-.1939	.0271	.0781	.0780	.0369

MACH (1) = .165 ALPHA (2) = -.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.3330	-.1791	-.1308	-.0081	-.1712
-.750	-.2553	-.2271	-.2151	-.1226	-.3106
-.600	-.1149	-.1713	-.2355	-.2270	-.2230
-.450	-.4031	-.2453	-.1982	-.2318	-.2421
-.300	-.2148	-.2908	-.1377	-.2818	-.1712
-.150	.0032	-.2208	-.3192	-.3221	-.1477
.150	-.0443	-.2089	-.6086	-.5844	-.5806
.300	-.1073	-.2089	-.4532	-.5610	-.6108
.450	-.1133	-.2790	-.3747	-.3811	-.4139
.600	-.0200	-.1746	-.2305	-.2405	-.2454
.750	-.1912	-.0857	-.0500	.0108	-.0845
.900	-.1962	.0257	.0792	.0761	.0476

DA57 D16C5F1 .24 W87E10X9 WING UPPER SURFACE (WD TOOB)

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5442	-.1136	-.0777	-.0139	-.1498
-.750	-.1143	-.1140	-.1417	-.0657	-.2330
-.600	.0702	-.0069	-.0561	-.0421	-.1145
-.450	-.1464	-.0052	.0444	-.0919	-.0720
-.300	.0048	-.0220	.0709	-.0552	.0312
-.150	.2256	.1337	.1607	-.1161	.1212
.150	-.0646	-.3544	-.7883	-.0411	-.9006
.300	-.1521	-.4707	-.5617	-.6614	-.7060
.450	-.1521	-.3683	-.4096	-.4469	-.5201
.600	-.0473	-.2002	-.2241	-.2356	-.2947
.750	-.1640	-.1033	-.0795	-.0303	-.1174
.900	-.2058	.0898	.0422	.0897	.0163

MACH (1) = .165 ALPHA (4) = 9.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4970	-.0090	-.0667	.0429	-.1442
-.750	.0425	.0307	-.1316	-.0060	-.1556
-.600	.2291	.1457	.0266	.0939	.0187
-.450	.0378	.1593	.1365	.0280	.0610
-.300	.1516	.1551	.1718	.0738	.1491
-.150	.3147	.3112	.4445	.2555	.2881
.150	-.1449	-.0235	-.8717	-1.0611	-1.3800
.300	-.2006	-.6603	-.6257	-.6587	-.0842
.450	-.2065	-.4674	-.4638	-.4645	-.6438
.600	-.1031	-.2759	-.3053	-.2917	-.2942
.750	-.1675	-.1512	-.1669	-.0976	-.1643
.900	-.2193	.0299	.0068	.0016	-.0871

MACH (1) = .165 ALPHA (5) = 14.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4202	.0675	-.0070	.0834	-.1244
-.750	.1544	.1106	-.0343	.0164	-.0948
-.600	.3361	.2560	.1111	.2160	.1272
-.450	.1064	.2034	.2096	.1289	.1741
-.300	.2715	.2557	.1672	.1091	.2568

0A57 S16C5F1 J24 W87E18X9 WING UPPER SURFACE (NO TOOB)

MACH (1) = .165 ALPHA (5) = 14.975

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3982	.4493	.4851	-.0202	.4022
.150	-.2163	-1.3769	-1.0633	-1.1880	-1.5973
.300	-.2794	-1.0883	-.8033	-.7469	-1.0843
.450	-.2642	-.6752	-.6036	-.5483	-.0622
.600	-.1600	-.3237	-.4147	-.3514	-.3490
.750	-.1086	-.1998	-.2916	-.1836	-.5698
.900	-.2323	.0272	-.0652	-.0777	-.4651

MACH (1) = .165 ALPHA (6) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3871	.0942	-.0812	.0475	-.1902
-.750	.2391	.1723	-.0816	.0083	-.0731
-.600	.4041	.3008	.1453	.2745	.1882
-.450	.2951	.3829	.2414	.1774	.2416
-.300	.3762	.4110	.1383	.2503	.3398
-.150	.4832	.5536	.3735	.0423	.4806
.150	-.3195	-2.1455	-1.4013	-1.2008	-1.3134
.300	-.3816	-1.5081	-.9762	-.0292	-1.1628
.450	-.3331	-.7800	-.6414	-.6490	-1.1114
.600	-.2684	-.4371	-.7705	-.7279	-.6407
.750	-.2318	-.3587	-.5320	-.6065	-.6801
.900	-.2784	-.0831	-.2668	-.4353	-.5762

OA57 B16CSF1 .24 W87E18X9 WING UPPER SURFACE (NOTCH) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
LREF = 37.9350 IN. ZMRP = -.4060 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

DETA = .000 RTN/P = 1.500
H/C = .125 SDFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.8026	-.3694	-.3414	-.1956	-.2600
-.750	-.5780	-.5935	-.6578	-.6975	-.4668
-.600	-.5344	-.5830	-.6754	-.4693	-.4696
-.450	-1.0330	-.6092	-.6604	-.6882	-.4982
-.300	-.6315	-1.0043	-.7719	-.7546	-.4730
-.150	-.1300	-.9865	-.9062	-.6879	-.6019
.150	-.0122	-.0760	-.3021	-.3065	-.2552
.300	-.0754	-.1983	-.3153	-.3006	-.4123
.450	-.0715	-.2000	-.2911	-.2921	-.3418
.600	-.0017	-.1523	-.1994	-.2152	-.2202
.750	-.0078	-.0731	-.0809	.0354	-.0890
.900	-.1077	.0307	.0089	.0771	.0227

MACH (1) = .165 ALPHA (2) = -.020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.6553	-.3018	-.2573	-.1365	-.1967
-.750	-.4418	-.4292	-.5098	-.6104	-.3778
-.600	-.2973	-.3301	-.4268	-.2614	-.3053
-.450	-.6122	-.4548	-.4647	-.4777	-.3198
-.300	-.3030	-.4635	-.3228	-.5143	-.2596
-.150	.0417	-.3542	-.4020	-.4244	-.2461
.150	-.0452	-.1959	-.5056	-.5681	-.5484
.300	-.1117	-.2026	-.4407	-.5471	-.5020
.450	-.1123	-.2778	-.3913	-.3774	-.4038
.600	-.0171	-.1722	-.2285	-.2410	-.2500
.750	-.0225	-.0773	-.0946	.0332	-.0884
.900	-.1421	.0260	.0093	.0739	.0336

OA37 016C3F1 .24 W8PE18X9 WING UPPER SURFACE (NOTOOT)

MACH (1) = .165 ALPHA (3) = 4.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.7141	-.2098	-.2432	-.1359	-.1839
-.750	-.2837	-.2560	-.3796	-.4079	-.3003
-.600	-.0767	-.1204	-.1568	-.1282	-.1761
-.450	-.2403	-.1504	-.1401	-.2455	-.1566
-.300	-.0507	-.1107	-.0808	-.2108	-.0542
-.150	.1701	.0483	-.0011	-.1504	.0450
.150	-.0566	-.3583	-.6078	-.8365	-.9621
.300	-.1536	-.4435	-.5554	-.6791	-.7057
.450	-.1605	-.3602	-.4225	-.4603	-.5244
.600	-.0671	-.2112	-.2388	-.2466	-.3035
.750	-.0241	-.1008	-.0769	-.0306	-.1260
.900	-.2203	.0447	.0416	.0478	.0002

MACH (1) = .165 ALPHA (4) = 9.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.8272	-.0410	-.1710	-.1278	-.1712
-.750	-.0569	-.0450	-.2803	-.4111	-.2260
-.600	.1138	.0896	-.0569	.0143	-.0570
-.450	-.0430	.0711	-.0008	-.0760	-.0234
-.300	.1104	.1070	.1102	-.0233	.0008
-.150	.2891	.2704	.3713	.1855	.2346
.150	-.1464	-.7899	-.6554	-1.0279	-1.3605
.300	-.2168	-.6478	-.6208	-.6536	-.9720
.450	-.2064	-.4697	-.4505	-.4514	-.6211
.600	-.1011	-.2642	-.2301	-.2783	-.3199
.750	-.0408	-.1426	-.1663	-.0760	-.1616
.900	-.2120	.0384	.0115	.0097	-.0665

MACH (1) = .165 ALPHA (5) = 15.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
.000	-.5136	.0037	-.1459	-.1283	-.1496
.150	.1169	.1288	-.2374	-.3230	-.1457
.300	.2418	.2561	.0267	.1246	.0736
.450	.1920	.2461	.0553	.0391	.1457
.600	.2444	.2506	.1552	.1133	.2233

OA57 D16C3F1 .24 W87E18X9 WING UPPER SURFACE (NO TOOP)

MACH (1) = .165 ALPHA (5) = 15.000

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6830	.8960
X/C					
-.150	.4004	.4393	.4172	.1323	.3787
.150	-.2155	-1.4191	-1.0083	-1.2142	-1.5620
.300	-.2640	-1.0827	-.7548	-.7183	-1.0543
.450	-.2583	-.6430	-.5892	-.5302	-.6462
.600	-.1543	-.3239	-.4310	-.3430	-.3382
.750	-.0525	-.1615	-.2747	-.1378	-.5814
.900	-.2133	.0275	-.0874	-.0850	-.5213

MACH (1) = .165 ALPHA (6) = 19.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8960
X/C					
-.900	-.4664	.1592	-.1672	-.2718	-.1963
-.750	.2008	.2243	-.2559	-.3457	-.1098
-.600	.3658	.3477	.0825	.1870	.1432
-.450	.2702	.3466	.0608	.1129	.2153
-.300	.3964	.4063	.1067	.1402	.3119
-.150	.4062	.5406	.2503	-.0061	.4574
.150	-.3057	-2.1280	-1.3865	-1.2218	-1.5502
.300	-.3649	-1.5348	-.9529	-.9135	-1.2730
.450	-.3301	-.7604	-.6381	-.7093	1.2383
.600	-.1627	-.4218	-.7071	-.6906	-.5923
.750	-.1203	-.3430	-.5310	-.6141	-.6406
.900	-.2413	-.0632	-.2638	-.4778	-.5702

OA57 S16C5F1 J24 W87E18S9 WING UPPER SURFACE (NO TOOB) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.3980 FUS ST
LREF = 19.2500 IN. YMRP = .0000 B.P.
CREF = 37.9350 IN. ZMRP = -.4060 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 RTNMP = 1.000
M/C = .125 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.968 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.5308	-.4589	-.3754	-.2791	-.2793
-.750	-.7816	-.7925	-.7376	-.0668	-.5208
-.600	-.7531	-.8149	-.7935	-.6117	-.5291
-.450	-1.3458	-1.0584	-1.0074	-.7885	-.5692
-.300	-.0260	-1.2988	-1.0845	-.8786	-.5455
-.150	-.2141	-1.2901	-1.2213	-1.0071	-.7010
.150	-.0198	-.0767	-.2651	-.2944	-.2438
.300	-.0626	-.2045	-.3207	-.3905	-.4144
.450	-.0761	-.2160	-.2987	-.2906	-.3484
.600	-.0099	-.1649	-.2141	-.2301	-.2356
.750	-.0167	-.0980	-.1074	-.0018	.1031
.900	-.1959	.0313	.0834	.0508	.0200

MACH (1) = .165 ALPHA (2) = .015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.6460	-.3808	-.2800	-.2442	-.2082
-.750	-.9580	-.5532	-.5804	-.8132	-.4038
-.600	-.4129	-.4370	-.3178	-.3068	-.3485
-.450	-.7548	-.5771	-.5540	-.5564	-.3499
-.300	-.3719	-.5663	-.5720	-.6221	-.2088
-.150	.0140	-.4452	-.6716	-.4695	-.2946
.150	-.0470	-.1918	-.5716	-.5458	-.5307
.300	-.1008	-.2947	-.4408	-.5309	-.5706
.450	-.1136	-.2773	-.3671	-.3626	-.4042
.600	-.0250	-.1426	-.2350	-.2536	-.2531
.750	-.0240	-.0506	-.1028	.0564	-.0931
.900	-.1553	.0074	.0725	.0648	.0366

0A57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTOD8)

MACH (1) = .165 ALPHA (3) = 5.060 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.6601	-.2204	-.2284	-.2006	-.1804
-.750	-.3237	-.2957	-.4116	-.6957	-.3126
-.600	-.1238	-.1398	-.2674	-.2279	-.1881
-.450	-.3404	-.2101	-.2035	-.3271	-.1734
-.300	-.0800	-.1598	-.1300	-.2702	-.0735
-.150	.1801	.0128	-.0765	-.1132	.0326
.150	-.0099	-.3419	-.0670	-.0295	-.0370
.300	-.1502	-.4257	-.5536	-.6744	-.7789
.450	-.1535	-.3521	-.4202	-.4710	-.5241
.600	-.0640	-.2017	-.2407	-.2694	-.3014
.750	-.0246	-.0923	-.0809	-.0313	-.1241
.900	-.1993	.0435	.0471	.0471	.0100

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5844	-.0487	-.1514	-.1911	-.1712
-.750	-.0907	-.0683	-.3240	-.6068	-.2374
-.600	.0853	.0654	-.1073	-.0839	-.0801
-.450	-.0656	.0389	-.0396	-.1221	-.0207
-.300	.1037	.0811	.0615	-.0692	.0043
-.150	.2942	.2490	.3561	.1069	.2175
.150	-.1500	-.7687	-.0799	-.9803	-1.3325
.300	-.2046	-.5357	-.6166	-.6099	-.0554
.450	-.1907	-.4504	-.4382	-.4652	-.6133
.600	-.1023	-.2556	-.2749	-.2760	-.3241
.750	-.0347	-.1366	-.1535	-.0729	-.1558
.900	-.1907	.0314	.0147	.0076	-.0522

MACH (1) = .165 ALPHA (5) = 15.045 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4900	.0902	-.0937	-.1867	-.1597
-.750	.0824	.1219	-.2438	-.4927	-.1695
-.600	.2508	.2509	-.0159	.0470	.0391
-.450	.1000	.2140	.0202	-.0087	.1263
-.300	.2463	.2661	.1340	.0465	.1904

0A57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WD T008)

MACH (1) = .165 ALPHA (5) = 15.045

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3939	.4166	.4073	.1559	.3625
.150	-.2084	-1.3536	-.0461	-1.1694	-1.5721
.300	-.2448	-1.0268	-.7209	-.6980	-1.0788
.450	-.2564	-.6404	-.5736	-.5005	-.7543
.600	-.1486	-.3004	-.4010	-.3198	-.3302
.750	-.0300	-.1675	-.2611	-.1071	-.5018
.900	-.1006	.0317	-.0533	-.0478	-.4898

MACH (1) = .165 ALPHA (6) = 19.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4293	.1534	-.0326	-.2027	-.1984
-.750	.1884	.2022	-.2410	-.5264	-.1190
-.600	.3463	.3456	.0135	.0806	.1355
-.450	.2322	.3230	.0478	.0349	.2129
-.300	.3511	.3804	.1543	.1252	.3000
-.150	.4710	.5190	.2713	-.2230	.4552
.150	-.3098	-1.9893	-1.2074	-1.2159	-1.8333
.300	-.3627	-1.4494	-.8536	-.8828	-1.3959
.450	-.3104	-.7054	-.7267	-.7430	-1.3269
.600	-.0527	-.4332	-.6924	-.5971	-.5048
.750	-.1128	-.3554	-.5116	-.5387	-.6574
.900	-.2182	-.0654	-.2404	-.4047	-.5702

OA57 B16C5F1 .24 M87E18X9 WING UPPER SURFACE (WDT009) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .268 DOFLAP = -16.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4480	-.1508	-.1142	-.0137	-.1562
-.750	-.2392	-.2314	-.2367	-.2178	-.3405
-.600	-.1017	-.1543	-.2560	-.1351	-.2840
-.450	-.3892	-.2686	-.2816	-.3096	-.2814
-.300	-.2416	-.3428	-.2196	-.3818	-.2620
-.150	.0433	-.3318	-.5019	-.6008	-.3297
.150	.0124	-.0565	-.2968	-.3048	-.2632
.300	-.2455	-.1742	-.2890	-.3609	-.4228
.450	-.0820	-.1939	-.2831	-.2557	-.3044
.600	.0212	-.1127	-.1635	-.1896	-.1872
.750	.0219	-.0458	-.0374	.0339	-.0832
.900	-.1514	.0608	.1245	.1268	.0854

MACH (1) = .165 ALPHA (2) = -.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4087	-.1048	-.0771	.0001	-.1546
-.750	-.1850	-.1942	-.2098	-.1804	-.2958
-.600	-.0519	-.0990	-.1734	-.0553	-.1754
-.450	-.2658	-.1628	-.1538	-.1952	-.2018
-.300	-.1423	-.1972	-.0653	-.2390	-.1281
-.150	.0945	-.1732	-.2415	-.2686	-.0878
.150	-.0417	-.1005	-.5714	-.5241	-.5447
.300	-.2628	-.2765	-.4365	-.5277	-.5705
.450	-.0005	-.2454	-.3405	-.3579	-.3900
.600	-.0176	-.1563	-.2040	-.2130	-.2117
.750	.0115	-.0614	-.0637	.0187	-.0655
.900	-.1441	.0620	.1145	.1045	.0632

OA57 B16C5F1 J24 W07E18X9 WING UPPER SURFACE (WDTOO9)

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4019	-.0819	-.0780	.0021	-.1341
-.750	-.1175	-.1215	-.1654	-.1257	-.2255
-.600	.0422	-.0099	-.0657	-.0099	-.1096
-.450	-.1488	-.0353	-.0006	-.0754	-.0755
-.300	-.0319	-.0285	.0807	-.0506	.0311
-.150	.1859	.0890	.0837	-.1051	.1134
.150	-.0006	-.3277	-.7894	-.6220	-.9727
.300	-.2967	-.3977	-.5452	-.6546	-.7701
.450	-.1407	-.3251	-.4048	-.4419	-.5132
.600	-.0455	-.1790	-.2219	-.2444	-.2899
.750	-.0086	-.0769	-.0606	-.0219	-.1091
.900	-.1815	.0687	.0633	.0693	.0235

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3907	-.0432	-.0748	-.0037	-.1462
-.750	-.0511	-.0590	-.1498	-.1024	-.1814
-.600	.1312	.0836	.0042	.0835	-.0195
-.450	-.0294	.0818	.0688	.0296	.0329
-.300	.0863	.1177	.1373	.0720	.1471
-.150	.2708	.2546	.4078	.2673	.2805
.150	-.1362	-.7434	-.8832	-1.0341	-1.3547
.300	-.3568	-.6543	-.6140	-.6795	-.9672
.450	-.1025	-.4627	-.4404	-.4539	-.6242
.600	-.1021	-.2512	-.2733	-.2779	-.3205
.750	-.0315	-.1411	-.1381	-.0776	-.1567
.900	-.1909	.0348	.0211	.0140	-.0538

MACH (1) = .165 ALPHA (5) = 14.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
.900	-.3502	.0082	-.0548	-.0115	-.1179
.750	.0325	.0161	-.1174	-.0468	-.1137
.600	.2203	.1731	.0988	.1626	.1072
.450	.0954	.1898	.1557	.1181	.1769
.300	.1697	.2413	.1534	.1892	.2546

OA57 B16C9F1 .24 W87E18X9 WING UPPER SURFACE (WDT009)

MACH (1) = .165 ALPHA (5) = 14.950

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3494	.3912	.5288	.1160	.4075
.150	-.2045	-1.2498	-.9726	-1.1902	-1.6146
.300	-.4301	-1.0675	-.7420	-.7224	-1.1094
.450	-.2460	-.6273	-.5414	-.5163	-.8060
.600	-.1503	-.3048	-.3458	-.3283	-.3534
.750	-.0459	-.1924	-.2482	-.1113	-.5008
.900	-.2181	.0227	-.0334	-.0202	-.4752

MACH (1) = .165 ALPHA (6) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3472	.0220	-.0660	-.0778	-.1545
-.750	.0980	.0698	-.0697	-.0350	-.0878
-.600	.2637	.2518	.1600	.2189	.1741
-.450	.2047	.2937	.2977	.1999	.2509
-.300	.3224	.3687	.2842	.2316	.3510
-.150	.4524	.5053	.3782	.0720	.4975
.150	-.3061	-1.0032	-1.2687	-1.1423	-1.3670
.300	-.4633	-1.4926	-.9120	-.6464	-1.2317
.450	-.2956	-.7556	-.6888	-.7305	-1.1729
.600	-.2412	-.3648	-.6268	-.6033	-.6024
.750	-.0973	-.3029	-.4950	-.4913	-.6503
.900	-.2514	-.0469	-.1985	-.3985	-.5621

OA57 S16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTD1D1 (08 NOV 73)

REFERENCE DATA

SREF = 4.412D SQ.FT. XMRP = 43.598D FUS ST
LREF = 19.235D IN. YMRP = .000D B.P.
DREF = 37.935D IN. ZMRP = -.405D W.P.
SCALE = .045 SCALE

PARAMETRIC DATA

DETA = .000 RTN/P = 1.300
H/D = .266 DFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.01D RN/L = 1.20D MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5210	-.1646	-.1968	-.0120	-.1648
-.750	-.2852	-.2930	-.3764	-.4480	-.3441
-.600	-.1919	-.2074	-.3553	-.2121	-.2067
-.450	-.4024	-.3525	-.4031	-.4468	-.3362
-.300	-.2857	-.4530	-.3650	-.5116	-.3046
-.150	.0123	-.4235	-.6339	-.6687	-.3022
.150	.0072	-.0409	-.2731	-.2732	-.2379
.300	-.0665	-.1693	-.2818	-.3403	-.3031
.450	-.0422	-.1717	-.2487	-.2487	-.3001
.600	.0237	-.1032	-.1481	-.1679	-.1719
.750	.0329	-.0256	-.0253	.0478	-.0380
.900	-.1244	.0916	.1541	.1365	.0776

MACH (1) = .165 ALPHA (2) = -.02D RN/L = 1.20D MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5288	-.1544	-.1504	-.0014	-.1549
-.750	-.2410	-.2495	-.3229	-.4204	-.3198
-.600	-.1254	-.1459	-.2664	-.1536	-.2251
-.450	-.3625	-.2581	-.2648	-.3224	-.2319
-.300	-.1704	-.2733	-.2242	-.3626	-.1643
-.150	.0427	-.2237	-.3413	-.3303	-.1495
.150	-.0276	-.1597	-.5576	-.5301	-.5365
.300	-.1102	-.2590	-.4079	-.5023	-.5641
.450	-.0919	-.2447	-.3355	-.3429	-.3911
.600	.0412	-.1373	-.1975	-.2172	-.2214
.750	.0057	-.0411	-.0415	.0328	-.0646
.900	-.1476	.0662	.1275	.1143	.0652

OA57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (ADY010)

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5071	-.1161	-.1566	-.0382	-.1473
-.750	-.1659	-.1743	-.2510	-.3568	-.2450
-.600	-.0296	-.0656	-.1297	-.0656	-.1256
-.450	-.2398	-.0972	-.0833	-.1011	-.1007
-.300	-.0565	-.0654	-.0118	-.1364	.0015
-.150	.1697	.0411	.0015	-.0717	.0041
.150	-.0769	-.3157	-.7040	-.8017	-.9300
.300	-.1583	-.3838	-.5332	-.6399	-.7414
.450	-.1315	-.3193	-.4081	-.4428	-.5016
.600	-.0367	-.1708	-.2165	-.2383	-.2790
.750	-.0017	-.0850	-.0406	-.0011	-.0376
.900	-.1668	.0747	.0777	.0754	.0282

MACH (1) = .165 ALPHA (4) = 9.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4893	-.0873	-.1320	-.0811	-.1521
-.750	-.0847	-.0927	-.2344	-.3325	-.1987
-.600	.0616	.0297	-.0455	.0296	-.0376
-.450	-.1032	.0308	.0145	-.0311	.0081
-.300	.0632	.0665	.0958	.0373	.1282
-.150	.2600	.2170	.3595	.0600	.2515
.150	-.1389	-.7365	-.6760	-.9987	-1.3249
.300	-.2296	-.8453	-.8032	-.8814	-.9444
.450	-.1874	-.4507	-.4269	-.4480	-.6075
.600	-.0974	-.2458	-.2582	-.2650	-.3106
.750	-.0257	-.1259	-.1260	-.0537	-.1419
.900	.1802	.0443	.0296	.0225	-.0401

MACH (1) = .165 ALPHA (5) = 14.935 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4806	-.0009	-.1408	-.0930	-.1486
.750	-.0020	-.0009	-.2316	-.2830	-.1445
-.600	.1548	.1182	.0020	.1128	.0373
-.450	.0141	.1480	.0239	.0402	.1310
-.300	.1768	.1038	.1056	.1154	.2233

OA57 B16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTD1D)

MACH (1) = .165 ALPHA (5) = 14.935

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3472	.3531	.4589	.2286	.3808
.150	-.2124	-1.2740	-.9778	-1.2060	-1.6012
.300	-.3218	-1.0671	-.7404	-.7237	-1.1014
.450	-.2511	-.6227	-.5451	-.5135	-.7406
.600	-.1516	-.3313	-.3737	-.3357	-.3668
.750	-.0463	-.1014	-.2464	-.1167	-.4629
.900	-.2162	.0235	-.0362	-.0183	-.4461

MACH (1) = .165 ALPHA (6) = 19.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4571	.0255	-.1728	-.1908	-.1804
-.750	.0847	.0630	-.1964	-.2738	-.1029
-.600	.2336	.2172	.0685	.1742	.1470
-.450	.1432	.2492	.0831	.1139	.2357
-.300	.2979	.3236	.1110	.1911	.3323
-.150	.4401	.4836	.3355	-.0890	.4845
.150	-.3141	-1.8173	-1.2719	-1.2624	-1.5388
.300	-.3906	-1.5030	-.9075	-.9061	-1.3012
.450	-.3103	-.7524	-.6983	-.7527	-1.2624
.600	-.2510	-.3785	-.6168	-.6059	-.5812
.750	-.1015	-.2076	-.5006	-.4602	-.6703
.900	-.2477	-.0635	-.2148	-.4376	-.5000

OA57 D16C5F1 .24 W87E10X9 WING UPPER SURFACE (MDTO11) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4060 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/C = .206 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3983	-.1499	-.1008	-.0365	-.1699
-.750	-.2229	-.2227	-.2265	-.1534	-.3268
-.600	-.1299	-.1620	-.2832	-.1942	-.2834
-.450	-.3000	-.2847	-.2814	-.3387	-.2978
-.300	-.2646	-.4029	-.2775	-.3949	-.2668
-.150	.0227	-.3794	-.5783	-.6151	-.3421
.150	-.0061	-.0788	-.3201	-.3154	-.2935
.300	.0028	-.2022	-.3268	-.3635	-.4215
.450	-.0700	-.2151	-.2047	-.2920	-.3342
.600	-.0146	-.1497	-.1962	-.2089	-.1970
.750	-.0521	-.0882	-.0747	.0166	-.0598
.900	-.1626	.0490	.1004	.0967	.0630

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3758	-.1087	-.0723	.0209	-.1486
-.750	-.1577	-.1699	-.1534	-.0723	-.2626
-.600	-.0434	-.0913	-.1637	-.1849	-.1818
-.450	-.2961	-.1678	-.1408	-.1742	-.1974
-.300	-.1580	-.2326	-.1003	-.1982	-.1271
-.150	.0070	-.1622	-.2764	-.2749	-.1036
.150	-.0375	-.1004	-.5043	-.5502	-.5694
.300	-.0138	-.2915	-.4501	-.5391	-.5656
.450	-.1073	-.2744	-.3762	-.3830	-.4033
.600	-.0324	-.1706	-.2215	-.2303	-.2332
.750	-.0612	-.0042	-.0442	.0138	-.0672
.900	-.2092	.0401	.0921	.0840	.0508

OA57 B16C9F1 .24 W87E10X9 WING UPPER SURFACE (WDTO11)

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3628	-.0838	-.0677	-.0080	-.1512
-.750	-.0997	-.1078	-.1037	-.0478	-.2231
-.600	.0462	-.0160	-.0680	-.0280	-.0058
-.450	-.1650	-.0353	.0178	-.1017	-.0617
-.300	-.0820	-.0619	.0442	-.0788	.0211
-.150	.1763	.0874	.0642	-.1021	.1102
.150	-.0898	-.3393	-.6116	-.6417	-.9581
.300	-.0869	-.4187	-.5712	-.6781	-.7809
.450	-.1557	-.3543	-.4340	-.4618	-.5276
.600	-.0898	-.2080	-.2478	-.2829	-.3039
.750	-.0737	-.1039	-.0822	-.0289	-.1244
.900	-.2332	.0319	.0600	.0614	.0193

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3410	-.0492	-.0413	-.0218	-.1514
-.750	-.0256	-.0493	-.0890	-.0256	-.1558
-.600	.1490	.0813	.0178	.0614	-.0020
-.450	-.0819	.0769	.1114	.0170	.0365
-.300	.0692	.0724	.1377	.0660	.1474
-.150	.2819	.2323	.3064	.2222	.2774
.150	-.1402	-.6654	-.8917	-1.0104	-1.3611
.300	-.1341	-.6277	-.6269	-.6978	-.9645
.450	-.2032	-.4736	-.4603	-.4735	-.6304
.600	-.1196	-.2634	-.2960	-.2875	-.3214
.750	-.0837	-.1531	-.1370	-.0031	-.1549
.900	-.2601	.0295	.0185	.0173	-.0624

MACH (1) = .165 ALPHA (5) = 14.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3293	-.0143	-.0026	-.0455	-.1468
-.750	.0474	.0169	-.0105	.0169	-.0062
-.600	.2024	.1546	.1079	.1703	.1035
-.450	.0511	.1909	.1668	.0956	.1035
-.300	.1775	.2435	.1912	.1711	.2546

DAMP 25 SEP 74 TABULATED SOURCE DATA - OA57A

OA57 B18C9F1 .24 W87E18X9 WING UPPER SURFACE (NDTD11)

MACH (1) = .165 ALPHA (5) = 14.950

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3440	.3626	.5238	.0582	.3977
.150	-.2162	-1.1799	-1.0433	-1.2016	-1.6458
.300	-.2235	-.0479	-.7698	-.7526	-1.1345
.450	-.2505	-.6636	-.5718	-.5325	-.0057
.600	-.1639	-.3394	-.3740	-.3363	-.3641
.750	-.0903	-.2325	-.2432	-.1316	-.5008
.900	-.2751	-.0036	-.0367	-.0278	-.4492

MACH (1) = .165 ALPHA (6) = 19.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3314	-.0107	-.0184	-.1112	-.2194
-.750	.1022	.0477	.0262	.0204	-.0802
-.600	.2652	.2152	.1723	.2191	.1567
-.450	.1542	.2883	.2407	.1510	.2408
-.300	.2885	.3079	.1321	.1929	.3299
-.150	.4326	.4744	.5031	.0457	.4807
.150	-.3137	-1.6570	-1.3084	-1.2083	-1.3666
.300	-.2061	-1.4289	-.8935	-.8877	-1.2089
.450	-.3175	-.7468	-.7116	-.7668	-1.1632
.600	-.2580	-.4108	-.6867	-.6611	-.6209
.750	-.1482	-.3971	-.5254	-.5160	-.6775
.900	-.3121	-.0983	-.2274	-.3960	-.5733

OA57 D16C9F1 .24 W87E18X9 WING UPPER SURFACE (WDT012) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4060 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 RTN/P = 1.900
H/C = .286 LDFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5598	-.2128	-.2169	-.1521	-.1847
-.750	-.3628	-.3584	-.4509	-.6126	-.3659
-.600	-.2620	-.2686	-.4410	-.3107	-.3428
-.450	-.3755	-.4614	-.4991	-.5601	-.3812
-.300	-.3538	-.5563	-.5060	-.6083	-.3665
-.150	-.0281	-.5008	-.7057	-.7475	-.4625
.150	-.0008	-.0579	-.2765	-.2837	-.2391
.300	-.1083	-.1782	-.2508	-.3408	-.3625
.450	-.0841	-.1626	-.2597	-.2563	-.3097
.600	.0177	-.1175	-.1643	-.1845	-.1917
.750	.0156	-.0397	-.0433	.0311	-.0617
.900	-.1413	.0720	.1319	.1130	.0656

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5197	-.1787	-.1789	-.1687	-.1706
-.750	-.3089	-.3145	-.3823	-.5988	-.3188
-.600	-.1703	-.1980	-.3440	-.2433	-.2511
-.450	-.4489	-.3263	-.3536	-.4268	-.2559
-.300	-.2325	-.3558	-.3489	-.4561	-.2656
-.150	.0577	-.2697	-.5050	-.3772	-.1902
.150	-.0200	-.1654	-.5378	-.5158	-.5065
.300	-.1202	-.2626	-.4042	-.4084	-.5430
.450	-.0504	-.2408	-.3346	-.3408	-.3750
.600	.0010	-.1389	-.1994	-.2164	-.2253
.750	.0077	-.0810	-.0522	.0276	-.0650
.900	-.1454	.0692	.1162	.0991	.0555

DATA B16C5P1 .24 W97E10X9 WING UPPER SURFACE (NOTO12)

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5240	-.1357	-.1983	-.1832	-.1552
-.750	-.2209	-.2366	-.3608	-.3732	-.2603
-.600	-.0839	-.0922	-.2249	-.1848	-.1447
-.450	-.3058	-.1668	-.1716	-.2546	-.1315
-.300	-.1024	-.1526	-.1137	-.2328	-.0420
-.150	.1598	-.0022	-.0025	-.0758	.0809
.150	-.0751	-.3089	-.7733	-.7688	-.9039
.300	-.1772	-.3612	-.5410	-.6458	-.7306
.450	-.1398	-.3216	-.4048	-.4361	-.4969
.600	-.0319	-.1695	-.2174	-.2444	-.2852
.750	-.0036	-.0867	-.0869	-.0972	-.1090
.900	-.1764	.0875	.0024	.0776	.0229

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5016	-.0754	-.1620	-.2169	-.1459
-.750	-.1156	-.1199	-.2797	-.5302	-.1954
-.600	.0260	.0200	-.1085	-.0815	-.0458
-.450	-.1568	-.0256	-.0634	-.1027	-.0074
-.300	.0420	.0222	.0486	.0024	.1078
-.150	.2477	.1883	.3120	.0318	.2391
.150	-.1374	-.6370	-.8350	-.9445	-1.2650
.300	-.2422	-.6131	-.5077	-.6753	-.9200
.450	-.1055	-.4315	-.4244	-.4406	-.5609
.600	-.0028	-.2358	-.2463	-.2471	-.2930
.750	-.0167	-.1173	-.1155	-.0607	-.1322
.900	-.1524	.0504	.0287	.0293	-.0273

MACH (1) = .165 ALPHA (5) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4747	-.0122	-.1571	-.2275	-.1609
-.750	-.0413	-.0360	-.2755	-.4395	-.1534
-.600	.1393	.1229	-.0441	.0316	.0275
-.450	.0240	.0057	-.0078	-.0240	.0091
-.300	.1424	.1540	.0605	.0412	.2027

3457 D16C5F1 .24 LB7E18X9 WING UPPER SURFACE (NDTD12)

MACH (1) = .165 ALPHA (5) = 14.985

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.8630	.8760
X/C					
-.150	.3284	.3252	.4248	.1626	.3554
.150	-.1969	-1.1168	-.9460	-1.1715	-1.5970
.300	-.3126	-.9164	-.7149	-.7102	-1.0797
.450	-.2417	-.6448	-.5268	-.5001	-.6932
.600	-.1307	-.2970	-.3373	-.3193	.3578
.750	-.0446	-.1987	-.2255	-.1108	-.3015
.900	-.2143	.0180	-.0240	-.0122	-.3791

MACH (1) = .165 ALPHA (6) = 19.975 RNVL = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.4608	.0146	-.2043	-.3585	-.2114
-.750	.0343	.0169	-.2884	-.4303	-.1245
-.600	.2011	.1947	-.0049	.0918	.1117
-.450	.1044	.2079	.0575	.0872	.2050
-.300	.2567	.2733	.0783	.1397	.2888
-.150	.4059	.4330	.3712	.0372	.4452
.150	-.3365	-1.7043	-1.2444	-1.2344	-1.6416
.300	-.3021	-1.4060	-.8730	-.8735	-1.3687
.450	-.3019	-.6948	-.6530	-.6707	-1.3911
.600	-.2201	-.4015	-.6267	-.5637	-.5306
.750	-.0960	-.3492	-.4070	-.4512	-.6663
.900	-.2520	-.0663	-.1945	-.3799	-.5665

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTD13) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

BETA = .000 RN/P = 1.000
H/C = .206 DDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.4044	-.1056	.0689	.1137	-.0832
-.750	-.1234	.0448	.1428	.1259	.0624
-.600	-.0126	-.0166	-.0248	.0568	-.0373
-.450	-.2655	-.1375	-.1243	-.0292	-.0769
-.300	-.1735	-.2584	-.1145	-.1512	-.0834
-.150	.0743	-.2351	-.3975	-.3892	-.1150
.150	-.0107	-.1128	-.4241	-.4181	-.4348
.300	-.1233	-.2597	-.4200	-.5230	-.5539
.450	-.0909	-.2912	-.4100	-.4101	-.4896
.600	-.0298	-.2699	-.3746	-.4071	-.5226
.750	-.0147	-.3369	-.6968	-.5981	-.3362
.900	-.2117	-.2208	-.0563	-.0502	-.0050

MACH (1) = .165 ALPHA (2) = -.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.3034	-.0984	.0648	.1254	-.0363
-.750	-.0727	.0815	.1631	.1666	.0728
-.600	.0487	.0487	.0283	.0889	.0445
-.450	-.1837	-.0498	-.0095	-.0868	.0204
-.300	-.0869	-.1211	.0507	-.0230	.0204
-.150	.1304	-.0600	-.1169	-.1201	.0602
.150	-.0518	-.2456	-.6909	-.6827	-.7432
.300	-.1581	-.3555	-.5505	-.6874	-.7490
.450	-.1401	-.3688	-.4955	-.5065	-.6340
.600	-.0554	-.3117	-.4281	-.4486	-.6171
.750	-.0327	-.3272	-.6047	-.5654	-.4305
.900	-.2420	-.2261	-.0596	-.1028	-.1520

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDT013)

MACH (1) = .165 ALPHA (3) = 4.955 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3704	-.0872	.1367	.0928	-.0196
-.750	-.0036	.1414	.2741	.2083	.1490
-.600	.1252	.1331	.1372	.2341	.1094
-.450	-.0502	.0721	.1215	.0591	.1352
-.300	.0295	.0394	.1484	.1680	.1481
-.150	.2212	.1615	.2540	-.0136	.2284
.150	-.0998	-.3916	-.9029	-.9555	-1.1877
.300	-.2064	-.4907	-.6735	-.8127	-.9003
.450	-.1805	-.4494	-.5537	-.5772	-.7081
.600	-.0898	-.3328	-.4142	-.4604	-.7216
.750	-.0437	-.3291	-.3932	-.3061	-.5311
.900	-.2027	-.2265	-.1958	-.1708	-.1972

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3378	-.0369	.1544	.1285	-.0250
-.750	.0666	.2099	.3172	.2536	.1978
-.600	.2172	.2093	.1977	.3173	.1981
-.450	.0642	.1725	.1725	.1004	.2117
-.300	.1363	.1787	.2080	.2407	.2439
-.150	.2056	.3153	.4823	.2179	.3654
.150	-.1565	-.7616	-.9862	-1.2111	-1.6271
.300	-.2887	-.7142	-.7511	-.8520	-1.2138
.450	-.2317	-.6076	-.6075	-.6564	-.9222
.600	-.1425	-.3953	-.4667	-.5156	-.7932
.750	-.0601	-.3579	-.5011	-.4027	-.5411
.900	-.3236	-.2365	-.1263	-.1061	-.4577

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3169	.0304	.1575	.1616	.0343
-.750	.1411	.2561	.3355	.3119	.2443
-.600	.2080	.2029	.2625	.3654	.2672
-.450	.1600	.2727	.2368	.1880	.2908
-.300	.2469	.2546	.1907	.2950	.3241

OA57 B18C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTD13)

MACH (1) = .165 ALPHA (5) = 14.970

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3829	.4331	.4870	.1184	.4463
.150	-.2372	-1.2942	-1.1878	-1.3131	-1.9565
.300	-.3507	-1.0407	-.8859	-.8884	-1.4403
.450	-.2877	-.7736	-.7137	-.6952	-1.1521
.600	-.1892	-.4425	-.5519	-.5396	-.9855
.750	-.0742	-.3771	-.7139	-.4416	-.9959
.900	-.3879	-.2560	-.0793	-.1992	-1.0843

MACH (1) = .165 ALPHA (6) = 19.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3692	.0293	.1230	.0839	-.0059
-.750	.1658	.2715	.3276	.3239	.2496
-.600	.3419	.3370	.2939	.4070	.3102
-.450	.2507	.3366	.3553	.2525	.348'
-.300	.3453	.4003	.2898	.3603	.3801
-.150	.4614	.5304	.4404	.1974	.5119
.150	-.3372	-1.8365	-1.4601	-1.3030	-1.3021
.300	-.4019	-1.5798	-1.0317	-1.0048	-1.1384
.450	-.3552	-.8757	-.8671	-1.0443	-1.1579
.600	-.2926	-.5138	-.8681	-.8942	-.7446
.750	-.1409	-.4359	-.9785	-.7759	-.8113
.900	-.5132	-.3756	-.2677	-.5697	-.7539

OA57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (NDTD14) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.300
H/D =	.206	DDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5046	-.1324	.1273	.5504	-.0516
-.750	-.1487	.0704	.2576	.1192	.0641
-.600	-.0717	-.0556	-.0637	-.0028	-.0816
-.450	-.3792	-.2238	-.2102	-.3858	-.1057
-.300	-.2273	-.3454	-.2273	-.2507	-.1157
-.150	.0421	-.3149	-.5109	-.4639	-.1801
.150	-.0091	-.1062	-.3963	-.4085	-.4105
.300	-.1336	-.2440	-.3949	-.5017	-.5264
.450	-.0894	-.2847	-.4079	-.3972	-.4700
.600	-.0228	-.2595	-.3750	-.4059	-.5276
.750	-.0149	-.2602	-.6697	-.5772	-.3183
.900	-.3020	-.2479	-.0375	-.0546	-.0706

MACH (1) = .165 ALPHA (2) = -.035 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4788	-.1019	.1092	.5891	-.0332
-.750	-.1019	.1254	.2273	.1736	.0759
-.600	-.0129	.0152	.0032	.0999	.0315
-.450	-.2831	-.1061	-.0693	-.2447	.0048
-.300	-.1162	-.1641	-.0388	-.0925	.0081
-.150	.1171	-.1051	-.1918	-.1621	.0314
.150	-.0446	-.2244	-.6355	-.6390	-.6894
.300	-.1514	-.3354	-.5278	-.6646	-.7092
.450	-.1221	-.3434	-.4969	-.4869	-.6197
.600	-.0420	-.2912	-.4588	-.4255	-.6000
.750	-.0234	-.2641	-.5985	-.5508	-.3974
.900	-.3065	-.2316	-.1120	-.1167	-.1276

OA57 D16C5F1 J24 W07E10X9 WING UPPER SURFACE (WDT014)

MACH (1) = .165 ALPHA (3) = 4.955 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6830	.8760
X/C					
-.900	-.4758	-.1198	.2334	.5593	-.0199
-.750	-.0361	.1536	.3791	.2136	.1491
-.600	.0761	.1047	.1215	.1906	.1174
-.450	-.1334	.0230	.0725	-.0199	.1320
-.300	.0065	-.0087	.1124	.1123	.1420
-.150	.2133	.1366	.1759	-.0335	.2157
.150	-.0900	-.3704	-.8001	-.9463	-1.1639
.300	-.2139	-.4873	-.6649	-.8115	-.0684
.450	-.1768	-.4408	-.5561	-.5748	-.7986
.600	-.0789	-.3165	-.4187	-.4682	-.7411
.750	-.0425	-.2811	-.4424	-.4335	-.5594
.900	-.3718	-.2436	-.1897	-.1867	-.1873

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6830	.8760
X/C					
-.900	-.4493	-.0808	.2897	.5835	-.0194
-.750	.0362	.2148	.4409	.2827	.1911
-.600	.1592	.1867	.1908	.3139	.1950
-.450	-.0154	.1278	.1278	.0335	.1999
-.300	.1151	.1313	.1867	.1902	.2259
-.150	.2844	.2040	.4340	.2746	.3497
.150	-.1614	-.7444	-.9611	-1.2144	-1.5939
.300	-.2089	-.6978	-.7301	-.8461	-1.2020
.450	-.2335	-.5892	-.5986	-.6331	-.9297
.600	-.1386	-.3966	-.4710	-.5131	-.8061
.750	-.0585	-.3008	-.5450	-.4403	-.5423
.900	-.4187	-.2437	-.0721	-.1757	-.4101

MACH (1) = .165 ALPHA (5) = 14.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6830	.8760
X/C					
-.900	-.4255	.0300	.3594	.6059	.0262
-.750	.1205	.2667	.4718	.3336	.2469
-.600	.2390	.2733	.2383	.3600	.2623
-.450	.1000	.2390	.1331	.1463	.2898
-.300	.2356	.2605	.1010	.2651	.3137

DA57 B16C5F1 J24 WRTE18X9 WING UPPER SURFACE (NDT014)

MACH (1) = .165 ALPHA (5) = 14.960

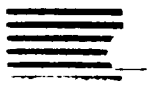
SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3753	.4155	.4743	.0966	.4427
.150	-.2369	-1.2776	-1.1473	-1.3292	-1.9623
.300	-.3521	-1.0230	-.6700	-.8996	-1.4461
.450	-.2072	-.7713	-.7106	-.7035	-1.1333
.600	-.1024	-.4391	-.5548	-.5509	-1.0475
.750	-.0680	-.3507	-.7521	-.4760	-.9721
.900	-.4725	-.2873	-.1427	-.2033	-1.0091

MACH (1) = .165 ALPHA (6) = 19.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.4502	.0721	.3774	.5097	.0096
-.750	.1732	.3140	.5097	.3535	.2679
-.600	.3124	.3277	.2872	.4113	.3172
-.450	.2156	.3214	.1478	.2182	.3405
-.300	.3329	.3752	.1508	.3435	.3027
-.150	.4619	.5193	.2731	.1378	.5151
.150	-.3440	-1.8570	-1.5158	-1.3714	-1.4588
.300	-.4231	-1.5866	-1.0723	-1.1304	-1.3732
.450	-.3624	-.9111	-.8908	-1.0061	-1.3641
.600	-.2927	-.5197	-.0674	-.9127	-.7593
.750	-.1349	-.4642	-1.0162	-.8506	-.0677
.900	-.6148	-.3449	-.3042	-.6000	-.0258



OA57 B16C9F1 J24 WR7E18X9 WING UPPER SURFACE (WDTD19) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/B = .206 DOFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3919	-.1020	.0408	.0771	-.0568
-.750	-.1139	.0529	.1064	.1026	.0450
-.600	-.0366	-.0325	-.0568	-.0286	-.0830
-.450	-.3068	-.1735	-.1188	-.2368	-.0846
-.300	-.1900	-.2853	-.1330	-.1505	-.0800
-.150	.0664	-.2597	-.4118	-.4161	-.1391
.150	-.0091	-.1096	-.4168	-.4183	-.4273
.300	-.1162	-.2444	-.3976	-.5111	-.5409
.450	-.0988	-.2981	-.4209	-.4106	-.4822
.600	-.0259	-.2611	-.3735	-.4082	-.5300
.750	-.0156	-.2524	-.6596	-.5796	-.3158
.900	-.4007	-.2700	-.0693	-.0610	-.0873

MACH (1) = .165 ALPHA (2) = .025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3628	-.0853	.0802	.1168	-.0169
-.750	-.0570	.0802	.1488	.1408	.0841
-.600	.0355	.0436	.0274	.0153	.0234
-.450	-.1978	-.0566	.0173	-.0566	.0240
-.300	-.0987	-.1505	.0305	.0006	.0305
-.150	.1299	-.0730	-.1535	-.1335	.0504
.150	-.0463	-.2257	-.6551	-.6394	-.7097
.300	-.1331	-.3407	-.5259	-.6625	-.7092
.450	-.1268	-.3530	-.4071	-.4764	-.6128
.600	-.0463	-.2064	-.4047	-.4263	-.6069
.750	-.0250	-.2556	-.5635	-.5215	-.3817
.900	-.4156	-.2394	-.1172	-.0954	-.1214

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTO15)

MACH (1) = .165 ALPHA (3) = 4.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3454	-.1043	.1290	.0724	-.0039
-.750	.0121	.1451	.2783	.2422	.1657
-.600	.1327	.1247	.1166	.1407	.1246
-.450	-.0704	.0751	.1445	.0187	.1410
-.300	.0253	.0121	.1446	.1480	.1548
-.150	.2201	.1409	.2069	-.0246	.2332
.150	-.0047	-.3841	-.8865	-.9306	-1.1577
.300	-.1913	-.4855	-.6538	-.8015	-.9540
.450	-.1755	-.4450	-.5534	-.5593	-.7838
.600	-.0831	-.3210	-.4026	-.4425	-.7144
.750	-.0352	-.2651	-.3667	-.3488	-.5033
.900	-.5235	-.2369	-.1855	-.1766	-.2003

MACH (1) = .165 ALPHA (4) = 9.900 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3277	-.0519	.1539	.1102	-.0164
-.750	.0666	.1930	.3037	.2762	.2052
-.600	.2061	.1980	.1741	.2137	.1935
-.450	.0242	.1643	.1987	.0632	.2103
-.300	.1184	.1345	.1904	.2003	.2453
-.150	.2856	.2887	.4550	.2525	.3563
.150	-.1618	-.7512	-.0697	-1.1890	-1.5888
.300	-.2815	-.6849	-.7331	-.8381	-1.1755
.450	-.2328	-.5953	-.6027	-.6431	-.9053
.600	-.1413	-.3880	-.4543	-.5024	-.7056
.750	-.0604	-.3065	-.4758	-.3771	-.5263
.900	-.6605	-.2388	-.1065	-.1072	-.5024

MACH (1) = .165 ALPHA (5) = 15.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2973	.0278	.2170	.1541	.0398
-.750	.1338	.2434	.3650	.3840	.2673
-.600	.2957	.2918	.2564	.3113	.2759
-.450	.1379	.2674	.2808	.1514	.3043
-.300	.2348	.2601	.2116	.2903	.3347

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (NO TO15)

MACH (1) = .165 ALPHA (5) = 15.000

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3777	.4167	.3172	.1219	.4520
.150	-.2293	-1.2698	-1.1688	-1.3170	-1.9449
.300	-.3545	-1.0293	-.8739	-.8868	-1.4145
.450	-.2856	-.7564	-.6998	-.6831	-1.1376
.600	-.1831	-.4312	-.5390	-.5277	-1.0335
.750	-.0713	-.3409	-.6753	-.4154	-.9480
.900	-.6066	-.2775	-.1042	-.1925	-1.1209

MACH (1) = .165 ALPHA (6) = 19.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3381	.0453	.1678	.0731	-.0069
-.750	.1704	.2488	.3506	.3275	.2688
-.600	.3474	.3207	.2731	.3628	.3115
-.450	.2137	.3175	.3086	.2081	.3468
-.300	.3191	.3514	.1614	.3355	.3841
-.150	.4487	.5078	.4910	.1423	.5058
.150	-.3292	-1.8151	-1.4756	-1.3148	-1.2353
.300	-.4078	-1.5544	-1.0150	-1.0858	-1.1468
.450	-.3441	-.8685	-.8440	-.9904	-1.1255
.600	-.2728	-.5042	-.8465	-.8526	-.7538
.750	-.1417	-.4021	-.0875	-.7809	-.7863
.900	-.7351	-.3431	-.2547	-.5489	-.7502

OA57 D16C5F1 J24 W87C18X9 WING UPPER SURFACE (WDTD16) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5930 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/D = .266 DEFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5243	-.1280	.1317	2.2214	-.0432
-.750	-.2089	.0341	.2333	.0544	.0867
-.600	-.1159	-.0998	-.1242	-.0756	-.0715
-.450	-.4374	-.2956	-.2753	-.5086	-.1407
-.300	-.2652	-.4273	-.3326	-.3293	-.1505
-.150	.0210	-.3767	-.5003	-.5294	-.2282
.150	-.0675	-.1001	-.3728	-.3086	-.3888
.300	-.1214	-.2438	-.3029	-.4916	-.5313
.450	-.0867	-.2859	-.3969	-.4213	-.4832
.600	-.0208	-.2649	-.3789	-.4274	-.5675
.750	-.0068	-.2937	-.6828	-.6584	-.3580
.900	-.5672	-.2508	-.0458	-.0038	-.0670

MACH (1) = .165 ALPHA (2) = .005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4810	-.1032	.1397	2.2597	-.0268
-.750	-.1461	.1024	.2275	.1189	.0949
-.600	-.0507	-.0225	-.0807	.0823	.0138
-.450	-.3240	-.1800	-.1632	-.3650	-.0287
-.300	-.1503	-.2521	-.1221	-.1760	-.0287
-.150	.0042	-.1699	-.3206	-.2158	-.0153
.150	-.0455	-.2250	-.6201	-.6500	-.6902
.300	-.1530	-.3379	-.5204	-.6409	-.7003
.450	-.1259	-.3528	-.4845	-.5253	-.6157
.600	-.0411	-.3016	-.4247	-.4640	-.6449
.750	-.0200	-.2932	-.6177	-.6446	-.4006
.900	-.4902	-.2373	-.0664	-.1121	-.1047

OA57 B16C5F1 J24 W8PE18X9 WING UPPER SURFACE (NOTO16)

MACH (1) = .165 ALPHA (3) = 4.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4685	-.0933	.2716	2.1307	-.0053
-.750	-.0933	.1596	.3603	.1474	.1515
-.600	.0428	.0786	.0666	.1347	.1149
-.450	-.1621	-.0321	.0010	-.1320	.1099
-.300	-.0288	-.0554	.0373	.0241	.1066
-.150	.1656	.0765	.0062	-.0718	.1653
.150	-.1003	-.3726	-.6707	-.9299	-1.1234
.300	-.2031	-.4702	-.6574	-.8045	-.0824
.450	-.1693	-.4339	-.5506	-.6243	-.7928
.600	-.0823	-.3315	-.4336	-.4772	-.7259
.750	-.0266	-.3067	-.5064	-.5300	-.5178
.900	-.5414	-.2391	-.1737	-.1043	-.1690

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4578	-.0429	.3036	2.0568	-.0112
-.750	-.0032	.1385	.4238	.2158	.1958
-.600	.1289	.1691	.1369	.2767	.1924
-.450	-.0700	.0607	.0878	-.0570	.1898
-.300	.0745	.0778	.1138	.1234	.2060
-.150	.2821	.2458	.3839	.3144	.3236
.150	-.1585	-.7245	-.9785	-1.2088	-1.5914
.300	-.2656	-.6083	-.7386	-.8595	-1.2167
.450	-.2301	-.5793	-.6001	-.6666	-.0463
.600	-.1317	-.3978	-.4929	-.5453	-.8258
.750	-.0507	-.3500	-.5058	-.5172	-.5167
.900	-.5870	-.2317	-.0770	-.2248	-.3470

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4020	.0438	.4022	1.9669	.0278
-.750	.0056	.2787	.4878	.3288	.2574
-.600	.2262	.2710	.2095	.3465	.2891
-.450	.0650	.2188	.1222	.0784	.2946
-.300	.2137	.2500	.1770	.2288	.3166

CA57 B16C5F1 .24 W87E18X9 WING UPPER SURFACE (NO TO16)

MACH (1) = .165 ALPHA (5) = 14.970

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3627	.3921	.4471	.1651	.4466
.150	-.2330	-1.2459	-1.0887	-1.3054	-1.9087
.300	-.3389	-1.0120	-.8598	-.9023	-1.4317
.450	-.2894	-.7564	-.7072	-.7236	-1.0780
.600	-.1644	-.4364	-.5438	-.5541	-.9902
.750	-.0465	-.3870	-.7980	-.5246	-.8998
.900	-.5942	-.2752	-.1031	-.2328	-.9875

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4204	.0083	.4310	1.8209	.0335
-.750	.1541	.3356	.5039	.3686	.2002
-.600	.3074	.3549	.2342	.4008	.3546
-.450	.1903	.3018	.1595	.1788	.3772
-.300	.3241	.3481	.1714	.3008	.3946
-.150	.4504	.5119	.3268	.0780	.5255
.150	-.3242	-1.7693	-1.4177	-1.3617	-1.6910
.300	-.4343	-1.5806	-1.0794	-1.1024	-1.4699
.450	-.3535	-.9040	-.8922	-1.0212	-1.5220
.600	-.1832	-.4701	-.7939	-.0423	-.7469
.750	-.1026	-.4615	-1.0567	-.0607	-.0268
.900	-.6937	-.3120	-.2489	-.6445	-.8665

OA57 B16C3F1 .24 W87E10X9 WING UPPER SURFACE (WD7017) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
WREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0408 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.125	DOFLAP =	-10.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3913	-.1251	.0198	.0607	-.0498
-.750	-.1668	.0153	.0925	.1008	.0603
-.600	-.1346	-.0739	-.0985	-.0701	-.0740
-.450	-.4407	-.2709	-.2059	-.2938	-.1208
-.300	-.3064	-.4541	-.2484	-.2117	-.1175
-.150	.0280	-.4224	-.5115	-.4710	-.1654
.150	-.0185	-.1200	-.4454	-.4491	-.4633
.300	-.1416	-.2765	-.4295	-.5359	-.5808
.450	-.1085	-.3192	-.4363	-.4337	-.5213
.600	-.0428	-.2910	-.3983	-.4398	-.5901
.750	-.0471	-.3190	-.6745	-.6302	-.3663
.900	-.6383	-.2621	-.1182	-.0645	-.0826

MACH (1) = .165 ALPHA (2) = -.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3847	-.0833	.0938	.1179	-.0150
-.750	-.0800	.0308	.1760	.1675	.0941
-.600	.0333	.0495	.0415	.0253	.0376
-.450	-.2318	-.0808	.0197	-.0371	.0230
-.300	-.0964	-.1457	.0299	-.0071	.0198
-.150	.1425	-.0506	-.1247	-.1183	.0566
.150	-.0934	-.2514	-.6960	-.6905	-.7631
.300	-.1641	-.3916	-.5596	-.6574	-.7634
.450	-.1431	-.3822	-.5032	-.5037	-.6454
.600	-.0612	-.3112	-.4154	-.4467	-.6527
.750	-.0609	-.3075	-.5704	-.5763	-.4328
.900	-.5098	-.2519	-.0952	-.1036	-.0577

'OAST B16C5F1 .24 W87E1819 WING UPPER SURFACE (WDT117)

MACH (1) = .165 ALPHA (3) = 5.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.3587	-.0153	.1374	.1093	-.0114
-.750	.0865	.1965	.3067	.2770	.1771
-.600	.1986	.1665	.1566	.1965	.1325
-.450	-.0100	.1368	.1652	.0200	.1426
-.300	.0769	.0022	.1800	.1402	.1550
-.150	.2565	.2234	.3000	.0560	.2365
.150	-.1046	-.4300	-.9202	-.9771	-1.2229
.300	-.2208	-.6121	-.6719	-.0062	-1.0068
.450	-.1626	-.5048	-.5502	-.5669	-.6109
.600	-.0695	-.3427	-.4154	-.4520	-.7261
.750	-.0503	-.3031	-.3678	-.3605	-.4456
.900	-.5656	-.2368	-.1848	-.1523	-.2022

MACH (1) = .165 ALPHA (4) = 9.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.2910	.1059	.1138	.1976	.0023
-.750	.1932	.3001	.2695	.3415	.2136
-.600	.3307	.3101	.2112	.2628	.2243
-.450	.1558	.2768	.2571	.0035	.2410
-.300	.2240	.2506	.2541	.2575	.2656
-.150	.3560	.3695	.5394	.1479	.3707
.150	-.1657	-.7722	-.9604	-1.1602	-1.6533
.300	-.2017	-.6830	-.7549	-.0423	-1.2494
.450	-.2394	-.6316	-.6233	-.6430	-.9342
.600	-.1460	-.3915	-.4601	-.4915	-.7663
.750	-.0508	-.3285	-.3329	-.3724	-.4094
.900	-.6205	-.2126	-.0335	-.1766	-.4490

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.2475	.1130	.0400	.1027	.0248
-.750	.2709	.3586	.2626	.3500	.2152
-.600	.3121	.3410	.2427	.3661	.2168
-.450	.2260	.3665	.2914	.1744	.3006
-.300	.3252	.3711	.1548	.2022	.3341

OA57 B16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTO17)

MACH (1) = .165 ALPHA (5) = 14.985

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.4407	.5098	.4938	.0810	.4654
.150	-.2374	-1.3198	-1.2523	-1.3314	-2.9021
.300	-.3784	-1.0853	-.9524	-.9135	-1.7689
.450	-.3108	-.7463	-.7625	-.7456	-1.4533
.600	-.1898	-.4247	-.6199	-.5839	-.7300
.750	-.0738	-.3502	-.7600	-.5092	-.0280
.900	-.6691	-.2324	-.0855	-.3060	-.7848

MACH (1) = .165 ALPHA (6) = 19.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2336	.2223	.0778	.1210	.0153
-.750	.3282	.3877	.2623	.3407	.2659
-.600	.4735	.4147	.2814	.4108	.3437
-.450	.3643	.4249	.3385	.2264	.3777
-.300	.4223	.4683	.1657	.3524	.3970
-.150	.5128	.5931	.1975	.0946	.5216
.150	-.3422	-1.8493	-1.5601	-1.3183	-1.2697
.300	-.4191	-1.3517	-1.0789	-1.1149	-1.2145
.450	-.3651	-.8792	-.9106	-.3906	-1.1725
.600	-.3011	-.5613	-.9017	-.9072	-.7739
.750	-.1580	-.5567	-.9961	-.7090	-.8342
.900	-.7409	-.3068	-.2845	-.5628	-.7758

OA57 C16C5F1 .24 W87E18X9 WING UPPER SURFACE (UDTD18) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.125	DFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4165	-.1398	.0353	.1006	-.0643
-.750	-.1757	.0066	.1331	.1170	.0476
-.600	-.0985	-.0661	-.0621	.0188	-.0501
-.450	-.4199	-.2365	-.2024	-.2836	-.1072
-.300	-.2727	-.3741	-.1951	-.1819	-.1109
-.150	.0278	-.3662	-.4676	-.4305	-.1541
.150	-.0199	-.1288	-.4577	-.4523	-.4578
.300	-.1446	-.2677	-.4271	-.5399	-.5641
.450	-.1058	-.3142	-.4377	-.4337	-.5163
.600	-.0485	-.2885	-.3065	-.4346	-.5835
.750	-.0197	-.3214	-.6766	-.6389	-.3678
.900	-.6190	-.2684	-.1024	-.0721	-.0653

MACH (1) = .165 ALPHA (2) = -.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4073	-.0724	.1258	.1421	-.0160
-.750	-.0724	.1057	.2152	.2032	.1057
-.600	.0649	.0852	.0690	.1175	.0528
-.450	-.1824	-.0274	.0194	-.0442	.0361
-.300	-.5611	-.0847	.0561	.0061	.0395
-.150	.1622	-.0106	-.0710	-.0045	.0693
.150	-.0512	-.2579	-.7316	-.6055	-.7781
.300	-.1679	-.3682	-.5575	-.6062	-.7518
.450	-.1419	-.3792	-.5059	-.5098	-.6653
.600	-.0630	-.3170	-.4254	-.4546	-.6700
.750	-.0332	-.3128	-.5954	-.5643	-.4323
.900	-.8006	-.2403	-.0606	-.1188	-.1159

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTD18)

MACH (1) = .165 ALPHA (3) = 4.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3691	-.0040	.1638	.1120	-.0239
-.750	.0481	.2120	.3241	.2718	.1676
-.600	.2084	.2243	.1842	.2847	.1324
-.450	.0361	.1574	.1706	.0559	.1448
-.300	.1119	.1360	.2037	.1740	.1574
-.150	.2731	.2566	.3552	.0658	.2505
.150	-.1035	-.4661	-.9303	-.9894	-1.2430
.300	-.2295	-.6332	-.6869	-.8208	-1.0157
.450	-.1883	-.5100	-.5672	-.5773	-.8245
.600	-.1015	-.3472	-.4208	-.4625	-.7448
.750	-.0477	-.3131	-.4042	-.4219	-.4490
.900	-.5707	-.2348	-.1801	-.1064	-.2102

MACH (1) = .165 ALPHA (4) = 9.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3092	.1225	.1858	.1659	-.0125
-.750	.1901	.3252	.3413	.3375	.1983
-.600	.3456	.3496	.2457	.3523	.2176
-.450	.1954	.2898	.2046	.1264	.2273
-.300	.2409	.2996	.2540	.2607	.2478
-.150	.3687	.4178	.1509	.1459	.3741
.150	-.1656	-.7953	-.9589	-1.1878	-1.6717
.300	-.2992	-.6925	-.7559	-.8527	-1.2548
.450	-.2475	-.6399	-.6149	-.6616	-.9475
.600	-.1460	-.3951	-.4073	-.5186	-.8170
.750	-.0571	-.3310	-.6159	-.4225	-.5086
.900	-.6230	-.2056	-.0125	-.1527	-.4486

MACH (1) = .165 ALPHA (5) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5210	.6630	.8760
X/C					
-.900	-.2535	.2187	.1993	.1566	.0429
-.750	.2932	.3998	.3693	.3617	.2277
-.600	.4375	.4246	.3291	.4003	.2895
-.450	.3144	.3812	.2603	.2116	.3154
-.300	.3461	.4144	.2347	.2834	.3283

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDTD18)

MACH (1) = .165 ALPHA (8) = 14.065

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.4493	.5289	.3864	0925	.4526
.150	-.2441	-1.3371	-1.2794	-1.3423	-2.8179
.300	-.3738	-1.0414	-.9297	-.9208	-1.7263
.450	-.3084	-.7318	-.7577	-.7340	-1.3986
.600	-.1946	-.4142	-.6361	-.6076	-.7542
.750	-.0697	-.3388	-.7184	-.5483	-.6275
.900	-.6714	-.2176	-.0839	-.3022	-.7819

MACH (1) = .165 ALPHA (8) = 19.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2393	.2632	.1419	.1105	.0287
-.750	.3469	.4283	.3338	.3725	.2668
-.600	.5011	.4709	.3368	.4524	.3553
-.450	.4123	.4639	.3992	.2579	.3764
-.300	.4404	.5164	.2748	.3195	.3993
-.150	.5330	.6233	.4214	.0856	.5152
.150	-.3337	-1.8503	-1.5879	-1.3908	-1.2677
.300	-.4157	-1.5934	-1.1341	-1.1935	-1.1501
.450	-.3611	-.8922	-.9381	-1.0519	-1.1634
.600	-.2039	-.5630	-.9075	-.9303	-.7779
.750	-.1564	-.5646	-1.0137	-.7983	-.0387
.900	-.7378	-.2911	-.3031	-.5883	-.7725

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDTD19) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.0350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/C =	.125	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5143	-.2770	.0335	.9618	-.0555
-.750	-.3167	-.0754	.1628	.0173	.0375
-.600	-.3063	-.2416	-.2170	-.1562	-.1117
-.450	-.7592	-.5074	-.4338	-.5177	-.1748
-.300	-.4697	-.7109	-.4928	-.3024	-.1946
-.150	-.0604	-.6782	-.7511	-.6051	-.2818
.150	-.0199	-.1190	-.3979	-.4164	-.4001
.300	-.1464	-.2606	-.4094	-.5008	-.5270
.450	-.1517	-.3047	-.4265	-.4416	-.4944
.600	-.0429	-.2920	-.3998	-.4406	-.5823
.750	-.0251	-.3414	-.6000	-.6533	-.3500
.900	-.6357	-.2230	-.1327	-.0721	-.0593

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5373	-.2706	.1508	1.1155	-.0424
-.750	-.2118	.0671	.2387	.1327	.0671
-.600	-.1206	-.0635	-.0551	.0589	.0101
-.450	-.4194	-.2236	-.1464	-.3008	-.0197
-.300	-.1946	-.2798	-.1248	-.1621	-.0366
-.150	.1014	-.1801	-.3014	-.2186	-.0064
.150	-.0603	-.2560	-.6762	-.6888	-.7181
.300	-.1791	-.3658	-.5498	-.6860	-.7319
.450	-.1531	-.3868	-.5071	-.5415	-.6378
.600	-.0602	-.3206	-.4452	-.4785	-.6635
.750	-.0368	-.3352	-.5964	-.6307	-.4211
.900	-.6374	-.2542	-.1257	-.1139	-.1081

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT019)

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4759	-.1182	.3738	1.0255	-.0297
-.750	-.0374	.2017	.4532	.2349	.1556
-.600	.0910	.1318	.1443	.2334	.1114
-.450	-.1123	.0414	.0811	-.0584	.1174
-.300	.0311	.0244	.1161	.1068	.1239
-.150	.2359	.1707	.2311	-.0520	.1069
.150	-.1024	-.4136	-.9165	-.9759	-1.2059
.300	-.2400	-.5812	-.6712	-.8068	-.0721
.450	-.1663	-.5077	-.5818	-.6322	-.8176
.600	-.0031	-.3405	-.4391	-.4982	-.7646
.750	-.0529	-.3350	-.4466	-.4506	-.4669
.900	-.5986	-.2498	-.1835	-.2117	-.1895

MACH (1) = .165 ALPHA (4) = 9.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3698	.1288	.2916	1.0719	-.0382
-.750	.1481	.3346	.4304	.3113	.1802
-.600	.2603	.3214	.2253	.3320	.1880
-.450	.1025	.2396	.1612	-.0020	.1013
-.300	.1932	.2325	.2361	.1774	.1069
-.150	.3445	.3723	.4673	.2105	.3465
.150	-.1560	-.7559	-.9305	-1.2013	-1.6312
.300	-.2980	-.6772	-.7435	-.8360	-1.2121
.450	-.2372	-.6007	-.6228	-.6447	-.9317
.600	-.1200	-.3794	-.4901	-.5297	-.8074
.750	-.0492	-.3231	-.6415	-.4524	-.4702
.900	-.5953	-.1891	.0109	-.1473	-.3049

MACH (1) = .165 ALPHA (5) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2814	.24[illegible]	.4028	1.0729	.0289
-.750	.2604	.4375	.5175	.3693	.2347
-.600	.3726	.4174	.2864	.3644	.2847
-.450	.2475	.3538	.1692	.0581	.2087
-.300	.3171	.3657	.2534	.2350	.2966

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDT019)

MACH (1) = .165 ALPHA (5) = 14.965

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.4292	.4957	.4336	.0237	.4212
.150	-.2316	-1.2821	-1.2160	-1.3145	-1.9827
.300	-.3633	-1.0008	-.8888	-.8043	-1.4042
.450	-.2985	-.7054	-.7297	-.7039	-1.2464
.600	-.1698	-.4062	-.6041	-.5599	-.8497
.750	-.0603	-.3281	-.7556	-.5100	-.9873
.900	-.6311	-.2007	-.1026	-.2767	-1.0187

MACH (1) = .165 ALPHA (6) = 20.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2494	.3249	.4716	.9726	.0214
-.750	.3577	.4918	.5579	.3888	.2626
-.600	.4555	.4743	.3447	.4469	.3663
-.450	.3704	.4480	.2514	.1956	.3755
-.300	.4201	.4082	.2664	.2854	.3837
-.150	.5133	.5942	.0248	-.0452	.5047
.150	-.3625	-1.6832	-1.5380	-1.2437	-1.5010
.300	-.4393	-1.5049	-1.1171	-1.1631	-1.4017
.450	-.3608	-.8637	-.9144	-1.0641	-1.3694
.600	-.3057	-.5611	-.0422	-.0065	-.7042
.750	-.1299	-.5206	-1.0256	-.0602	-.0793
.900	-.6953	-.2305	-.3219	-.6173	-.8080

OA57 B18C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT020) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .3000 B.P.
CREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

DETA = .000 PTNAP = 1.900
H/C = .125 DOFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2411	-.1475	-.0217	-.4989	-.0581
-.750	-.1911	-.0985	.0394	-.0217	-.0054
-.600	-.1916	-.1752	-.1184	-.0862	-.0639
-.450	-.9415	-.6063	-.5870	-.6167	-.2202
-.300	-.5814	-.8725	-.6604	-.4355	-.2427
-.150	-.1102	-.0821	-.0574	-.6249	-.2714
.150	-.0317	-.1302	-.3995	-.4266	-.4137
.300	-.0969	-.2764	-.4296	-.5349	-.5543
.450	-.1185	-.3377	-.4518	-.4710	-.5218
.600	-.0460	-.1459	-.1860	-.2025	-.2575
.750	-.0581	-.1594	-.3146	-.3008	-.1693
.900	-.3481	-.1206	-.0662	-.0589	-.0490

MACH (1) = .165 ALPHA (2) = -.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2272	-.0865	.0081	-.3838	-.0342
-.750	-.1226	-.0059	.0622	.0343	.0182
-.600	-.0739	-.0501	-.0464	-.0019	-.0141
-.450	-.4780	-.2001	-.2162	-.4207	-.0617
-.300	-.2395	-.3448	-.1910	-.2182	-.0650
-.150	.0809	-.2254	-.3782	-.2343	-.0182
.150	-.0842	-.2425	-.6412	-.6842	-.7222
.300	-.1378	-.3799	-.5526	-.6829	-.7206
.450	-.1483	-.3014	-.5187	-.5586	-.6502
.600	-.0440	-.1445	-.1875	-.2011	-.2739
.750	-.0503	-.1464	-.2556	-.2708	-.1813
.900	-.3164	-.1121	-.0663	-.0681	-.0625

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDT020)

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2025	-.0194	.0890	-.3029	-.0314
-.750	-.0354	.0612	.1500	.0611	.0408
-.600	.0128	.0409	.0247	.0608	.0287
-.450	-.1457	.0070	.0235	-.1261	.0027
-.300	.0136	-.0029	.0667	.0334	.0794
-.150	.2190	.1459	.1750	-.0659	.1800
.150	-.1085	-.4238	-.9392	-.9767	-1.1714
.300	-.1724	-.5719	-.8068	-.0412	-.9955
.450	-.1912	-.5070	-.5846	-.6461	-.8168
.600	-.0804	-.1591	-.1931	-.2102	-.2074
.750	-.0534	-.1400	-.1899	-.2217	-.2214
.900	-.2033	-.0056	-.0983	-.0903	-.0945

MACH (1) = .165 ALPHA (4) = 9.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1639	.0473	.0911	-.3297	-.0364
-.750	.0313	.1199	.1689	.1044	.0817
-.600	.0832	.1033	.0669	.1062	.0627
-.450	.0641	.1919	.1295	-.0477	.1718
-.300	.1751	.1963	.1906	.1277	.1735
-.150	.3263	.3298	.4226	.2258	.3236
.150	-.1666	-.7480	-.0831	-1.2146	-1.6214
.300	-.2328	-.6658	-.7463	-.8559	-1.2422
.450	-.2529	-.6201	-.6327	-.6611	-.9491
.600	-.0775	-.1716	-.2137	-.2230	-.3205
.750	-.0557	-.1525	-.2518	-.2026	-.2109
.900	-.2715	-.0042	-.0227	-.0792	-.1609

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1237	.1018	.0978	-.2927	-.0053
-.750	.0935	.1573	.1734	.1372	.0897
-.600	.1365	.1554	.0924	.1199	.0970
-.450	.2265	.3347	.1567	.0640	.2678
-.300	.3011	.3412	.2274	.2006	.2722

OA57 D16C3F1 .24 W87E18X9 WING UPPER SURFACE (NDTO20)

MACH (1) = .165 ALPHA (5) = 14.985

SECTION (1)WING DEPENDENT VARIABLE CP

Z/A	.0000	.3340	.5200	.8630	.8760
X/C					
-.150	.4164	.4757	.4193	.0378	.4127
.150	-.2423	-1.2844	-1.1658	-1.2729	-1.8795
.300	-.2681	-.9797	-.8790	-.8633	-1.3863
.450	-.2922	-.6900	-.7058	-.6961	-1.2006
.600	-.0800	-.1732	-.2379	-.2105	-.3091
.750	-.0838	-.1405	-.2028	-.2066	-.3058
.900	-.2701	-.0682	-.0586	-.1080	-.4101

MACH (1) = .165 ALPHA (6) = 19.945 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/A	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.1227	.1245	.0934	-.3618	-.0169
-.750	.1232	.1885	.1752	.1466	.0860
-.600	.1703	.1853	.1058	.1425	.1275
-.450	.3542	.4374	.2025	.1701	.3656
-.300	.4206	.4709	.2520	.2807	.3832
-.150	.5193	.5820	.0807	-.0625	.5013
.150	-.3337	-1.8658	-1.5527	-1.2610	-1.4854
.300	-.3636	-1.4954	-1.0519	-1.1089	-1.3882
.450	-.3679	-.8392	-.9081	-1.0230	-1.4199
.600	-.1367	-.2342	-.3029	-.3638	-.2805
.750	-.0794	-.2290	-.3914	-.3527	-.3673
.900	-.3089	-.1038	-.1512	-.2581	-.3247

OA57 D16C9F1 .24 W87E10X9 WING UPPER SURFACE (WDT021) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/C = .038 SDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 9.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3932	-.0510	-.0909	-.3653	-.5111
-.750	-.0663	-.0288	-.0826	-.1781	-.3492
-.600	-.0269	-.0349	-.1064	-.1656	-.2366
-.450	.2054	.2448	-.0633	-.3754	-.1775
-.300	.1387	.2234	.1033	-.1741	-.1711
-.150	.1982	.2093	.2681	-.0205	-.0400
.150	-.4476	-.9808	-1.2800	-1.5030	-1.0629
.300	-.5305	-.9712	-1.0421	-1.0688	- .5133
.450	-.5337	-.8778	-.8077	-.8059	-1.2112
.600	-.3290	-.4170	-.4707	-.4614	-.5734
.750	-.3171	-.3957	-.5105	-.4209	-.4061
.900	-.5304	-.3068	-.2021	-.3294	-.5023

MACH (1) = .165 ALPHA (2) = 14.085 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3344	-.0271	-.1100	-.4489	-.4334
-.750	-.0350	-.0192	-.0744	-.1964	-.3811
-.600	-.0113	-.0272	-.1222	-.1299	-.2008
-.450	.2881	.3013	-.0780	-.2501	-.0687
-.300	.2105	.2882	.0224	-.1102	-.0390
-.150	.2535	.3677	.0944	-.4499	.1003
.150	-.5281	-1.6440	-1.6219	-1.8316	-2.1605
.300	-.6010	-1.3449	-1.2326	-1.1826	-1.4234
.450	-.5907	-.9546	-1.0269	-.9912	-1.3549
.600	-.3207	-.4354	-.5305	-.5085	-.4036
.750	-.3359	-.4345	-.5799	-.4909	-.5920
.900	-.5560	-.3240	-.3408	-.4042	-.5528

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WD T021)

MACH (1) = .165 ALPHA (3) = 19.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2538	-.0314	-.1407	-.5644	-.3591
-.750	-.0158	-.0236	-.0901	-.2038	-.3557
-.600	.0038	-.0315	-.2160	-.0868	-.1650
-.450	.3465	.3370	-.0811	-.1280	.0933
-.300	.2870	.3864	.0067	-.1188	.1705
-.150	.3262	.4454	-.1906	-.5928	.2679
.150	-.6264	-2.1607	-1.6506	-1.5367	-1.7521
.300	-.6044	-1.8178	-1.3904	-1.3708	-1.6041
.450	-.6618	-1.1353	-1.2574	-1.2740	-1.5356
.600	-.3314	-.5451	-.6403	-.6429	-.5438
.750	-.3812	-.5230	-.6486	-.5748	-.6150
.900	-.5976	-.3742	-.4306	-.5129	-.5829

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT022) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
CREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTNAP = 1.000
H/C = .038 DOFLAP = -18.000
ELEVON = 15.00 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4341	-.0419	-.0737	-.3910	-.3994
-.750	-.0620	-.0141	-.0380	-.1492	-.4225
-.600	-.0141	-.0181	-.0699	-.1138	-.3368
-.450	.2808	.3331	.2221	-.4453	-.3534
-.300	.1936	.3013	.2779	-.2248	-.2068
-.150	.2258	.3535	.2914	-.0506	-.1110
.150	-.4471	-.9733	-1.2066	-1.5154	-1.9366
.300	-.5370	-.9869	-1.0492	-1.0523	-1.5030
.450	-.5362	-.8791	-.9153	-.8771	-1.1041
.600	-.3132	-.4236	-.4800	-.4669	-.5579
.750	-.3289	-.4030	-.5102	-.4276	-.4817
.900	-.5484	-.3102	-.2928	-.3367	-.4655

MACH (1) = .165 ALPHA (2) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3591	-.0281	-.0927	-.4751	-.4451
-.750	-.0303	-.0056	-.0460	-.1521	-.3830
-.600	.0013	-.0066	-.0598	-.1410	-.2634
-.450	.3366	.3652	.0242	-.2814	-.1627
-.300	.2479	.3515	.2088	-.1534	-.1274
-.150	.2801	.4033	-.0016	-.4317	.0503
.150	-.5233	-1.6497	-1.5822	-1.6057	-2.2460
.300	-.5954	-1.3531	-1.2413	-1.1560	-1.5713
.450	-.5971	-.9448	-1.0247	-.9611	-1.5523
.600	-.3697	-.4347	-.5449	-.5006	-.4825
.750	-.3415	-.4371	-.5727	-.4924	-.5726
.900	-.5694	-.3566	-.3578	-.4075	-.5200

OA57 G16C5F1 .24 WRTE10X9 WING UPPER SURFACE (ND T022)

MACH (1) = .165 ALPHA (3) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2539	-.0039	-.1318	-.0730	-.4837
-.750	-.0039	-.0000	-.0841	-.1508	-.2638
-.600	.0117	-.0000	-.0753	-.1031	-.1812
-.450	.3671	.4007	.0864	-.2130	.0310
-.300	.3087	.3968	.2116	-.0083	.0700
-.150	.3486	.4539	-.2646	-.3368	.1632
.150	-.6152	-2.1403	-2.0150	-1.6946	-1.6787
.300	-.6919	-1.6253	-1.5247	-1.4308	-1.5657
.450	-.6566	-1.1021	-1.3307	-1.3443	-1.5912
.600	-.4220	-.5335	-.6650	-.6787	-.5405
.750	-.3764	-.5046	-.6232	-.5569	-.6157
.900	-.5592	-.3774	-.4517	-.5267	-.6081

OA57 B16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT023) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.0350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/C =	.030	DEFLAP =	-10.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3543	.2036	.7119	.7042	-.1572
-.750	.2468	.3301	.4503	.1523	-.0544
-.600	.2517	.2756	.2157	.1677	-.0385
-.450	.5610	.6558	.5154	-.2140	-.0294
-.300	.4525	.5861	.5583	.0850	.0131
-.150	.4067	.6241	.5354	.2216	.1604
.150	-.1709	-.6826	-1.0080	-1.2148	-1.6501
.300	-.2565	-.6061	-.7562	-.7807	-1.2365
.450	-.2633	-.5949	.6568	-.5993	-.9114
.600	-.0762	-.1578	-.2224	-.2040	-.1914
.750	-.0645	-.1572	-.2626	-.1788	-.2216
.900	-.0641	-.0413	-.0091	-.0647	-.1805

MACH (1) = .165 ALPHA (2) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2277	.3300	.4796	.5403	-.1672
-.750	.2878	.3417	.3374	.1027	-.0424
-.600	.2769	.2914	.2481	.2489	-.0110
-.450	.6212	.7034	.4483	-.1176	.0579
-.300	.5106	.6337	.5431	.1254	.0968
-.150	.5504	.6739	-.1205	-.0849	.2976
.150	-.2545	-1.3255	-1.2052	-1.2375	-1.8047
.300	-.3126	-1.0102	-.8831	-.8198	-1.3199
.450	-.3043	-.6252	-.7129	-.6534	-1.4112
.600	-.0972	-.1607	-.2654	-.2289	-.2902
.750	-.0731	-.1851	-.3042	-.2254	-.3113
.900	-.0504	-.0600	-.0748	-.1505	-.2561

DATE 25 SEP 74 TABULATED SOURCE DATA - OA57A (WDT023)

OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE

MACH (1) = .165 ALPHA (3) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE C_P

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0739	.3405	.3716	-1.5910	-.1793
-.750	.2822	.3216	.3035	.1289	-.0036
-.600	.2747	.2637	.2320	.2148	.0429
-.450	.6450	.6991	.4676	-.1174	.2244
-.300	.5605	.6666	.5162	.1011	.2493
-.150	.6042	.7167	-.1472	-.2400	.4222
.150	-.3610	-1.8591	-1.5334	-1.3671	-1.5003
.300	-.3764	-1.4291	-1.1405	-1.0347	-1.3546
.450	-.3870	-.8647	-1.0295	-.9837	-1.4209
.600	-.1776	-.2804	-.3047	-.3078	-.3672
.750	-.1278	-.2635	-.3754	-.3147	-.3608
.900	-.0658	-.1076	-.1611	-.2723	-.3106

OA57 S16C3F1 .24 W87E18X9 WING UPPER SURFACE (WDT024) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2[illegible] IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .038 DOFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5593	.1216	.7630	.3108	-.1284
-.750	.2143	.3128	.3793	.1093	-.0177
-.600	.2356	.2634	.2367	.1342	-.0098
-.450	.5035	.6181	.5010	-.2274	.0070
-.300	.4212	.5434	.5448	.1145	.0266
-.150	.4782	.5954	.5229	.2042	.1850
.150	-.1789	-.6733	-.9694	-1.1812	-1.6458
.300	-.2613	-.6867	-.7612	-.7930	-1.2306
.450	-.2597	-.5915	-.6616	-.6075	-.9403
.600	-.0768	-.1592	-.2198	-.2037	-.1849
.750	-.0674	-.1854	-.2781	-.1894	-.2221
.900	-.0700	-.0634	.0000	-.0503	-.1654

MACH (1) = .165 ALPHA (2) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3193	.2764	.6036	.6870	-.1245
-.750	.2714	.3268	.3132	.0758	.0090
-.600	.2659	.2768	.2177	.2182	.0209
-.450	.5658	.6407	.4701	-.3254	.1017
-.300	.4676	.5883	.4880	.0400	.1206
-.150	.5270	.6416	.3763	-.0279	.3067
.150	-.2622	-1.3046	-1.2122	-1.3218	-1.7662
.300	-.3141	-.0947	-.0066	-.[illegible]	-1.3751
.450	-.3148	-.6563	-.7142	-.[illegible]	-1.[illegible]
.600	-.1030	-.1733	-.2587	-.2427	-.3281
.750	-.0792	-.2017	-.3240	-.2513	-.3677
.900	-.0716	-.0764	-.0723	-.1413	-.2079

OA57 B16C5F1 J24 W87S18X9 WING UPPER SURFACE (NO TO24)

MACH (1) = .165 ALPHA (3) = 19.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.000	-.0598	.4312	.3089	.4727	-.1289
-.750	.2692	.3111	.2538	.0791	.0273
-.600	.2598	.2677	.2148	.1628	.0578
-.450	.6070	.6680	.4924	-.2129	.2383
-.300	.5465	.6293	.4805	.1413	.2710
-.150	.5038	.6007	-.1059	-.2955	.4122
.150	-.3737	-1.6812	-1.5850	-1.3123	-1.6514
.300	-.3775	-1.4067	-1.0048	-1.0681	-1.4975
.450	-.4064	-.6812	-1.0206	-.0662	-1.6054
.600	-.1691	-.2779	-.3981	-.3835	-.3691
.750	-.1146	-.2590	-.3753	-.3267	-.3802
.900	-.0859	-.2115	-.1595	-.2697	-.3314

OA57 S16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT025) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2004	-.1369	-.1329	-.0338	-.1166
-.750	.0178	-.1040	-.1906	-.2784	-.3627
-.600	.1491	.0936	-.0930	-.1404	-.2387
-.450	.2684	.2816	-.0836	-.1495	-.1393
-.300	.3177	.3400	.1880	-.0666	-.0403
-.150	.4238	.4768	.4740	.2119	.1299
.150	-.1437	-.5859	-.8016	-.9262	-1.1541
.300	-.2157	-.5171	-.5371	-.5272	-.7405
.450	-.2618	-.4024	-.4071	-.3214	-.3673
.600	-.0360	-.0649	-.0068	-.0480	-.0282
.750	-.0310	.0338	-.0018	.0435	.0102
.900	-.0428	.0707	-.0163	.0317	.0137

MACH (1) = .165 ALPHA (2) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0757	-.0680	-.0875	-.0251	-.1348
-.750	.1245	-.0213	-.1350	-.2717	-.3532
-.600	.2073	.1517	-.0368	-.0720	-.1386
-.450	.4151	.4106	-.0329	.0158	.0256
-.300	.4175	.4570	.2363	.1672	.0900
-.150	.4921	.5717	.5191	.1385	.3003
.150	-.2246	-1.1322	-1.0307	-1.1486	-1.1617
.300	-.2620	-.8119	-.6902	-.6578	-.7073
.450	-.2450	-.4773	-.4849	-.41[illegible]	-.7490
.600	-.0575	-.1007	-.1508	-.0911	-.0431
.750	-.0361	.0038	-.0569	-.0146	-.1266
.900	-.0376	.0691	-.0430	-.0075	-.0592

OA57 B16C5F* J24 W87E18X9 WING UPPER SURFACE (WDT025)

MACH (1) = .165 ALPHA (3) = 20.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0237	-.0193	-.0815	-.0232	-.1672
-.750	.1841	.0354	-.0931	-.2641	-.3500
-.600	.2227	.1954	.0119	-.0037	-.0854
-.450	.5041	.4976	.1473	.1056	.1667
-.300	.4913	.5488	.2371	.2021	.2180
-.150	.5637	.6471	.2047	-.1203	.4202
.150	-.3253	-1.6463	-1.2119	-1.1355	-1.3728
.300	-.3319	-1.1639	-.8796	-.8372	-1.1008
.450	-.3180	-.6061	-.7912	-.7106	-1.0093
.600	-.1250	-.2066	-.2832	-.2308	-.1629
.750	-.0848	-.0580	-.1735	-.1276	-.2445
.900	-.0456	.0156	-.1164	-.1602	-.2051

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT026) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.500
H/C = .030 DEFLAP = -18.000
ELEVON = -15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 9.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.5446	-.1506	-.1664	-.0323	-.1310
-.750	-.0620	-.1307	-.2529	-.4030	-.3991
-.600	.0988	.0826	-.0992	-.1974	-.2722
-.450	.1743	.2558	-.0475	-.3077	-.2188
-.300	.2816	.2680	.1908	-.1759	-.1101
-.150	.3995	.4319	.3792	.0245	.0863
.150	-.1484	-.5767	-.7970	-.8947	-1.1107
.300	-.2128	-.5183	-.5365	-.5457	-.7343
.450	-.2004	-.3933	-.3015	-.3109	-.3656
.600	-.0418	-.0735	-.0943	-.0801	-.0226
.750	-.0382	.0256	-.0029	.0836	.0030
.900	-.0585	.0849	-.0251	.0286	.0060

MACH (1) = .165 ALPHA (2) = 14.980 RN/L = 1.200 MACH = .155

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.3042	-.0585	-.1056	-.0390	-.1761
-.750	.1033	.0003	-.1527	-.4850	-.4206
-.600	.1690	.1497	-.0350	-.1253	-.2164
-.450	.3433	.3992	-.0461	-.1653	-.0737
-.300	.3757	.4071	.2929	.0467	.0272
-.150	.4708	.5342	.4246	.1927	.2422
.150	-.2253	-1.0050	-.0554	-1.0081	-1.1686
.300	-.2656	-.7706	-.6425	-.6098	-.6966
.450	-.2380	-.4477	-.4625	-.3921	-.5505
.600	-.0644	-.1058	-.1479	-.0836	-.0522
.750	-.0457	.0009	-.0502	-.0056	-.1455
.900	-.0375	.0635	-.0404	-.0169	-.0070

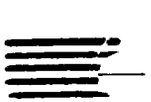
DATE 25 SEP 74 TABULATED SOURCE DATA - OA57A

OA57 D18C5F1 J24 W87E18X9 WING UPPER SURFACE (WD TD26)

MACH (1) = .165 ALPHA (3) = 19.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0801	.0199	-.0500	-.1195	-.2198
-.750	.1760	.0822	-.0807	-.5541	-.4109
-.600	.2109	.1913	-.0035	-.0897	-.1514
-.450	.4648	.5023	.0672	-.1126	.1022
-.300	.4841	.5120	.3359	.0866	.1732
-.150	.5444	.6272	.2278	-.1165	.3857
.150	-.3217	-1.3582	-1.0376	-1.1110	-1.7734
.300	-.3197	-1.1189	-.7608	-.7715	-1.2148
.450	-.3049	-.6228	-.7305	-.6228	-1.0204
.600	-.0843	-.1959	-.2647	-.2031	-.1212
.750	-.0891	-.0479	-.1612	-.1097	-.2074
.900	-.0462	.0125	-.1135	-.1299	-.1830



OA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WDT027) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0408 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/D =	.038	DOFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 9.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.8766	-.1598	-.1840	-.0529	-.1358
-.750	-.1047	-.1682	-.2712	-.4535	-.4059
-.600	.0778	.0818	-.1199	-.2594	-.2797
-.450	.1183	.2330	-.0590	-.3931	-.2406
-.300	.2568	.2467	.1579	-.2080	-.1219
-.150	.3068	.4100	.3467	-.0080	.0728
.150	-.1503	-.5686	-.7753	-.8777	-1.1006
.300	-.2126	-.5231	-.5546	-.5531	-.7313
.450	-.2011	-.3698	-.3690	-.3178	-.3715
.600	-.0898	-.0823	-.0038	-.0857	-.0232
.750	-.0515	.0213	-.0015	.0482	.0003
.900	-.0615	.0855	-.0400	.0242	.0009

MACH (1) = .165 ALPHA (2) = 14.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5331	-.0755	-.1028	-.0244	-.1788
-.750	.0824	-.0166	-.1472	-.5511	-.4164
-.600	.1617	.1489	-.0358	-.1639	-.2318
-.450	.3092	.3766	.0029	-.2270	-.0761
-.300	.3637	.3847	.2710	.0161	.0128
-.150	.4552	.5138	.3923	.1446	.2423
.150	-.2357	-1.0092	-.0566	-1.0866	-1.1934
.300	-.2567	-.7529	-.6409	-.6107	-.6917
.450	-.2505	-.4620	-.4708	-.3869	-.5136
.600	-.0017	-.1067	-.1523	-.0867	-.0580
.750	-.0736	.0078	-.0410	-.0017	-.1704
.900	-.0405	.0606	-.0635	-.0178	-.1036

OA57 B16C5F1 .21 W87E18X9 WING UPPER SURFACE (WDTG27)

MACH (1) = .165 ALPHA (3) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1333	.0083	-.0520	-.1021	-.2374
-.750	.1540	.0847	-.0793	-.6733	-.4325
-.600	.1986	.1066	-.0015	-.1252	-.1639
-.450	.4327	.4742	.0614	-.1603	.0837
-.300	.4542	.4035	.3245	.0328	.1643
-.150	.5323	.6087	.1829	-.0507	.3678
.150	-.3198	-1.5511	-1.0244	-1.1120	-1.9013
.300	-.3172	-1.0761	-.7684	-.7523	-1.2408
.450	-.3003	-.6026	-.7241	-.5755	-1.0153
.600	-.0842	-.2029	-.2608	-.1978	-.1069
.750	-.0870	-.0496	-.1527	-.1002	-.1986
.900	-.0472	.0172	-.1200	-.1303	-.1691

OA57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (NDT028) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
CREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.030	DOFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 10.000 RN/L = *.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1977	-.1384	-.1228	.0118	-.0989
-.750	.0197	-.1064	-.1651	-.2171	-.3004
-.600	.1310	.0674	-.1542	-.1806	-.1973
-.450	.1627	.2084	-.0666	-.1305	-.1064
-.300	.2764	.2469	.0743	-.0798	-.0139
-.150	.3976	.4141	.4468	.2800	.1526
.150	-.1508	-.5797	-.7750	-.9466	-1.1185
.300	-.2144	-.5264	-.5434	-.5204	-.7197
.450	-.2038	-.3942	-.3813	-.3156	-.3576
.600	.0006	-.0538	-.0704	-.0477	-.0214
.750	-.0274	.0359	.0199	.0330	.0074
.900	-.0316	.0796	-.0292	.0343	.0140

MACH (1) = .165 ALPHA (2) = 14.900 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0661	-.0759	-.0955	.0008	-.1110
-.750	.1285	-.0252	-.1271	-.1387	-.2092
-.600	.1990	.1320	-.0094	-.0958	-.1076
-.450	.3508	.3669	-.0343	.0276	.0502
-.300	.3747	.4010	.1152	.2155	.1183
-.150	.4736	.5381	.5062	.1412	.3163
.150	-.2228	-1.1150	-1.0003	-1.1310	-1.1593
.300	-.2644	-.6065	-.6028	-.6463	-.7493
.450	-.2520	-.4716	-.4020	-.4313	-.6012
.600	.0185	-.0853	-.1399	-.0790	-.0407
.750	-.0320	.0210	-.0326	-.0004	-.1300
.900	-.0205	.0770	-.0657	-.0194	-.0721

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (ND T028)

MACH (1) = .165 ALPHA (3) = 19.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0146	-.0358	-.0861	.0498	-.1558
-.750	.1627	.0186	-.0945	-.1483	-.3226
-.600	.2220	.1630	-.0475	-.0204	-.0870
-.450	.4520	.4454	.0323	.1411	.1959
-.300	.4656	.4951	.1130	.3016	.2405
-.150	.5403	.6163	.2062	-.1229	.4271
.150	-.3209	-1.6573	-1.1912	-1.1664	-1.3377
.300	-.3300	-1.2108	-.8320	-.8544	-1.0983
.450	-.3154	-.6592	-.7750	-.7359	-.0662
.600	.0127	-.1984	-.2674	-.2259	-.1611
.750	-.0769	-.0368	-.1486	-.1132	-.2307
.900	-.0332	.0243	-.1282	-.1670	-.2068

DATE 25 SEP 74 TABULATED SOURCE DATA - OASTA

OA57 0165F1 .24 W87E18X9 WING UPPER SURFACE (NDT029) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
CREF = 15.2300 IN. YMRP = .0000 B.P.
CBEF = 37.9350 IN. ZMRP = -.4060 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTNP = 1.000
H/C = .125 SDFLAP = -18.000
ELEVON = -15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1619	-.1703	-.1422	-.1423	-.1990
-.750	-.2162	-.2317	-.2064	-.2703	-.3148
-.600	-.1740	-.1980	-.2628	-.2506	-.3950
-.450	-.1344	-.6633	-.7107	-.7023	.6549
-.300	-.5729	-.0520	-.6627	-.6546	-.5805
-.150	-.1029	-.6163	-.9487	-.9047	-.6673
.150	-.0060	-.0625	-.2614	-.2474	-.1871
.300	-.0665	-.1667	-.2576	-.2850	-.2551
.450	-.0629	-.1354	-.1623	-.1457	-.1034
.600	.0177	-.0059	-.0079	.0000	.0154
.750	-.0240	.0649	.0909	.1064	.0682
.900	-.0109	.0519	.0703	-.1100	.0367

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1810	-.1668	-.1365	-.0520	-.1283
-.750	-.1926	-.2003	-.2015	-.2701	-.3142
-.600	-.1122	-.1448	-.2091	-.2359	-.3319
-.450	-.5459	-.4213	-.4400	-.5352	-.4609
-.300	-.2629	-.4115	-.2075	-.4063	-.3680
-.150	.0487	-.3073	-.4683	-.4824	-.3218
.150	-.0296	-.1604	-.5345	-.4893	-.4213
.300	-.0071	-.2425	-.3640	-.4219	-.4106
.450	-.0027	-.1099	-.2431	-.2011	-.2330
.600	.0150	-.0145	-.0157	-.0069	.0026
.750	-.0236	.0543	.0787	.0970	.0550
.900	-.0169	.0631	.0737	-.0706	.0414

OAST B18CSF1 .824 W87E18X9 WING UPPER SURFACE (ND Y029)

MACH (1) = .165 ALPHA (3) = 4.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.000	-.1840	-.1443	-.1329	-.0240	-.0959
.750	-.1480	-.1754	-.1912	-.2310	-.3072
.600	-.0358	-.0955	-.1275	-.1561	-.2447
.450	-.2571	-.1640	-.1640	-.2308	-.2301
.300	-.0868	-.1098	-.0898	-.2296	-.1399
.150	.1039	.0591	-.0066	-.1403	-.0087
.150	-.0760	-.3095	-.7145	-.7150	-.7451
.300	-.1329	-.3900	-.4609	-.5342	-.5724
.450	-.1245	-.2834	-.2792	-.2484	-.2885
.600	.0288	-.0271	-.0127	-.0018	-.0116
.750	-.0237	.0577	.0427	.0613	.0554
.900	-.0133	.0029	.0339	-.0231	.0482

MACH (1) = .165 ALPHA (4) = 9.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1709	-.1233	-.1591	-.0122	-.1038
.750	-.0715	-.1389	-.1745	-.2143	-.3131
-.600	.0235	-.0120	-.0907	-.1145	-.1060
-.450	-.0832	.0227	-.0500	-.1084	-.0634
-.300	.1045	.0914	.0489	-.0102	.0325
-.150	.2680	.2599	.3854	.0681	.1892
.150	-.1300	-.5640	-.7611	-.0584	-1.0726
.300	-.1520	-.5182	-.5224	-.5268	-.7022
.450	-.1607	-.3574	-.3186	-.2834	-.3401
.600	.0298	-.0540	-.0528	-.0381	-.0098
.750	-.0273	.0404	.0398	.0452	.0153
.900	-.0159	.0854	-.0213	-.0546	.0202

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1) WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1411	-.0830	-.1570	-.0057	-.0877
-.750	-.0018	-.0918	-.1535	-.2460	-.3157
-.600	.0088	.0493	-.0526	-.0528	-.1081
-.450	.1100	.1713	-.0303	.0274	.0860
-.300	.2329	.2446	.0728	.1683	.1590

OA57 B:6C5F1 J24 WRTE18X9 WING UPPER SURFACE (WDTD29)

MACH (1) = .165 ALPHA (5) = 14.965

SECTION (1)WING DEPENDENT TABLE CP

Z/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3670	.4088	.4998	.2616	.3408
.150	-.2090	-1.0768	-.9205	-1.1173	-1.2199
.300	-.2515	-.7939	-.6200	-.6133	-.7097
.450	-.2267	-.4720	-.4351	-.3872	-.5191
.600	.0329	-.0903	-.1011	-.0646	-.0492
.750	-.0343	.0169	-.1171	.0243	-.1625
.900	-.0243	.0821	-.0114	-.0804	-.0807

MACH (1) = .165 ALPHA (6) = 19.065 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1251	-.0903	-.1831	-.0283	-.1365
-.750	.0302	-.0897	-.1529	-.1878	-.3311
-.600	.1198	.0728	-.0283	-.0090	-.0752
-.450	.2411	.2795	.0173	.0844	.1837
-.300	.3496	.3618	.0463	.2550	.2450
-.150	.4728	.5131	.3076	.0557	.4321
.150	-.3173	-1.6195	-1.1415	-1.1263	-1.2929
.300	-.3128	-1.2256	-.7338	-.7948	-1.0857
.450	-.2912	-.6040	-.6698	-.6591	-.9579
.600	.0242	-.1678	-.2551	-.1974	-.1551
.750	-.0756	-.0304	-.4090	-.0030	-.2436
.900	-.0257	.0323	-.1208	-.1707	-.2073

OA57 B16C9F1 .24 W87C18X9 WING UPPER SURFACE (WDT030) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/C =	.125	DEFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8960
X/C					
-.900	-.1294	-.2082	-.1981	-.1334	-.2305
-.750	-.3192	-.2950	-.2870	-.4410	-.3842
-.600	-.3064	-.3186	-.3872	-.4035	-.4726
-.450	-1.2917	-1.0112	-1.0482	-.9977	-.7781
-.300	-.8382	-1.2398	-1.0176	-.9100	-.7308
-.150	-.2066	-1.1968	-1.2575	-1.1032	-.8547
.150	-.0094	-.0454	-.2368	-.2310	-.1485
.300	-.0868	-.1565	-.2454	-.2738	-.2331
.450	-.0899	-.1418	-.1869	-.1482	-.1929
.600	.0041	-.0281	-.0251	-.0196	.0011
.750	-.0392	.0487	.0725	.0854	.0573
.900	-.0429	.0329	.0188	.0481	.0213

MACH (1) = .165 ALPHA (2) = -.020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.2042	-.2160	-.2077	-.0833	-.1556
-.750	-.2749	-.2879	-.3093	-.4473	-.3662
-.600	-.2153	-.2359	-.3158	-.3791	-.3944
-.450	-.6228	-.6443	-.6803	-.8574	-.5730
-.300	-.4208	-.6132	-.6260	-.6948	-.4820
-.150	-.0106	-.4895	-.7334	-.5982	-.4605
.150	-.0305	-.1615	-.4980	-.4601	-.3835
.300	-.0893	-.2327	-.3504	-.4071	-.4002
.450	-.0948	-.1898	-.2471	-.1993	-.2283
.600	-.0042	-.0297	-.0296	-.0265	-.0151
.750	-.0300	.0387	.0663	.0792	.0487
.900	-.0358	.0376	.0445	.0526	.0285

DA57 D16C5F1 J24 W87E18X9 WING UPPER SURFACE (WD T030)

MACH (1) = .165 ALPHA (3) = 4.155 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2236	-.1794	-.2031	-.0322	-.1117
-.750	-.2085	-.2565	-.2844	-.3925	-.3239
-.600	-.1118	-.1362	-.2206	-.2843	-.2062
-.450	-.4563	-.3291	-.3255	-.5408	-.3221
-.300	-.1574	-.2442	-.2374	-.4046	-.2304
-.150	.1408	-.0504	-.1600	-.1640	-.0005
.150	-.0837	-.3029	-.7656	-.7062	-.7026
.300	-.1328	-.3746	-.4666	-.5483	-.5663
.450	-.1362	-.2617	-.2975	-.2622	-.2828
.600	-.0047	-.0416	-.0368	-.0240	-.0289
.750	-.0374	.0406	.0393	.0478	.0411
.900	-.0391	.0583	.0253	.0438	.0319

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.2226	-.1512	-.2348	-.0120	-.1229
-.750	-.1278	-.1880	-.2893	-.3725	-.3553
-.600	-.0318	-.0632	-.1608	-.2082	-.2090
-.450	-.1025	-.0964	-.1695	-.3282	-.1456
-.300	.0425	-.0003	-.0437	-.1506	-.0434
-.150	.2479	.1786	.2717	.0353	.1336
.150	-.1494	-.5810	-.7458	-.8491	-1.0305
.300	-.1888	-.5021	-.5284	-.5518	-.7172
.450	-.1871	-.3641	-.3448	-.3076	-.3675
.600	-.0026	-.0677	-.0721	-.0537	-.0152
.750	-.0401	.0294	-.0812	.0209	.0003
.900	-.0526	.0669	.0183	.0261	.0063

MACH (1) = .163 ALPHA (5) = 14.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1908	-.1125	-.2150	.0410	-.1286
-.750	-.0457	-.1202	-.2575	-.4337	-.3395
-.600	.0410	.0172	-.1241	-.1356	-.1631
-.450	.0148	.1121	-.1096	-.1426	.0246
-.300	.1959	.1806	.0504	.0990	.1119

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (ND T030)

MACH (1) = .165 ALPHA (5) = 14.950

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3591	.3622	.4227	.2314	.2329
.150	-.2091	-1.0684	-.9113	-1.0808	-1.2381
.300	-.2419	-.7669	-.5906	-.6040	-.7239
.450	-.2211	-.4717	-.4325	-.3788	-.4693
.600	.0034	-.1002	-.1142	-.0672	-.0719
.750	-.0423	.0129	-.1952	.0099	-.1641
.900	-.0257	.0745	.0117	.0007	-.1190

MACH (1) = .165 ALPHA (6) = 19.970 RN/L = 1.200 MACH = .135

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1486	-.0827	-.2148	-.0474	-.1567
-.750	.0070	-.0749	-.2452	-.4268	-.3346
-.600	.0925	.0692	-.0944	-.0716	-.1070
-.450	.1801	.2511	-.0743	-.0578	.1433
-.300	.3233	.3379	.0643	.2082	.2278
-.150	.4541	.4991	.3639	.0748	.4123
.150	-.3009	-1.5664	-1.0299	-1.1053	-1.4820
.300	-.3022	-1.1801	-.6947	-.7269	-1.1076
.450	-.2699	-.5720	-.6199	-.5988	-.0064
.600	.0021	-.1402	-.2425	-.1835	-.1360
.750	-.0744	-.0374	-.3914	-.0807	-.2300
.900	-.0167	.0379	-.0669	-.1070	-.2005

OA57 D16C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT031) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120	SQ.FT.	XMRP =	43.5980 FUS ST		DETA =	.000	RTN/P =	.000
LREF =	19.2300	IN.	YMRP =	.0000 B.P.		H/C =	.125	DFLAP =	-18.000
DREF =	37.9350	IN.	ZMRP =	-.4050 W.P.		ELEVON =	-15.000	AILRON =	.000
SCALE =	.0405	SCALE							

PARAMETRIC DATA

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1592	-.1630	-.1306	-.1466	-.1789
-.750	-.2037	-.2121	-.2004	-.2451	-.3135
-.600	-.2078	-.2037	-.2044	-.3046	-.4016
-.450	-.0319	-.7218	-.7513	-.7477	-.6838
-.300	-.6353	-.9508	-.7258	-.7634	-.6300
-.150	-.1224	-.0424	-1.0467	-.9758	-.7104
.150	-.0090	-.0650	-.2581	-.2423	-.1794
.300	.0064	-.1564	-.2492	-.2627	-.2474
.450	-.0694	-.1386	-.1883	-.1443	-.1957
.600	.0494	-.0043	-.0049	-.0019	.0183
.750	-.0264	.0684	.0845	.1017	.0758
.900	-.0025	.0621	.0499	.0681	.0414

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1660	-.1502	-.1021	-.0499	-.1064
-.750	-.1743	-.1863	-.1581	-.2063	-.2744
-.600	-.1009	-.1421	-.1044	-.2426	-.3030
-.450	-.6235	-.4431	-.4238	-.5455	-.4784
-.300	-.3357	-.4800	-.4159	-.5299	-.3721
-.150	.0297	-.3691	-.5806	-.5068	-.3560
.150	-.0338	-.1624	-.5108	-.4581	-.4080
.300	-.0043	-.2423	-.3578	-.4119	-.4004
.450	-.0904	-.1822	-.2408	-.1931	-.2313
.600	.0544	-.0062	-.0081	-.0056	.0023
.750	-.0154	.0551	.0768	.0859	.0707
.900	-.0032	.0660	.0682	.0759	.0504

OA57 B16C3F1 J24 W87E18X9 WING UPPER SURFACE (NOTO31)

MACH (1) = .165 ALPHA (3) = 4.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1639	-.1282	-.1045	-.0446	-.0846
-.750	-.1122	-.1561	-.1482	-.1839	-.2754
-.600	-.0246	-.0683	-.1200	-.1519	-.2157
-.450	-.3245	-.1751	-.1287	-.2823	-.2355
-.300	-.0951	-.1518	-.0919	-.2615	-.1516
-.150	.1728	.0179	-.0751	-.1316	-.0153
.150	-.0777	-.3035	-.7352	-.7012	-.7220
.300	-.0385	-.3836	-.4634	-.5397	-.5619
.450	-.1284	-.2600	-.2849	-.2464	-.2681
.600	.0801	-.0225	-.0147	-.0014	-.0080
.750	-.0006	.0630	.0360	.0618	.0648
.900	-.0080	.0859	.0511	.0662	.0666

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1619	-.1144	-.1264	.0799	-.0908
-.750	-.0631	-.1308	-.1306	-.1744	-.2960
-.600	.0359	-.0154	-.0865	-.1498	-.1541
-.450	-.1233	.0066	-.0109	-.1101	-.0572
-.300	.0712	.0384	.0352	-.0474	.0253
-.150	.2757	.2270	.3285	.1363	.1824
.150	-.1284	-.5613	-.7379	-.0478	-1.0399
.300	-.0028	-.4079	-.5083	-.5212	-.6961
.450	-.1804	-.3565	-.3401	-.2741	-.3472
.600	.0809	-.0411	-.0495	-.0298	-.0016
.750	-.0185	.0517	-.0604	.0368	.0218
.900	-.0198	.0022	.0427	.0546	.0343

MACH (1) = .165 ALPHA (5) = 14.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1361	-.0928	-.1045	.0757	-.0813
-.750	.0010	-.0852	-.0971	.2383	-.2970
-.600	.0678	.0444	-.0303	-.0891	-.0892
-.450	.0540	.1549	.0902	.0289	.0073
-.300	.2136	.2104	.1230	.1352	.1603

OA57 D18C5F1 .24 W67E18X9 WING UPPER SURFACE (WDT031)

MACH (1) = .165 ALPHA (5) = 14.975

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3727	.3822	.5084	.1940	.3271
.150	-.2085	-1.0619	-.0375	-1.0886	-1.1944
.300	-.1508	-.7898	-.6203	-.6069	-.6506
.450	-.2312	-.4728	-.4275	-.3903	-.5203
.600	.0619	-.0842	-.0065	-.0633	-.0800
.750	-.0241	.0270	-.1408	.0217	-.1835
.900	-.0050	.0869	.5180	.0263	-.1032

MACH (1) = .165 ALPHA (6) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1089	-.0777	-.1358	.0235	-.1357
-.750	.0431	-.0505	-.1012	-.1597	-.3152
-.600	.1292	.0704	-.0116	-.0466	-.0682
-.450	.1970	.2580	.1581	.1006	.1803
-.300	.3251	.3353	.0587	.2970	.2404
-.150	.4539	.4960	.5086	-.0205	.4281
.150	-.3093	-1.6164	-1.1033	-1.1278	-1.2274
.300	-.2113	-1.2310	-.7387	-.7790	-1.0660
.450	-.2900	-.6005	-.6718	-.6549	-.0429
.600	.0357	-.1530	-.2515	-.1982	-.1806
.750	-.0685	-.0314	-.4381	-.0041	-.2452
.900	-.0054	.0339	-.0785	-.1006	-.2114

OA57 B1CC5F1 J24 W87E18X9 WING UPPER SURFACE (WDT032) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.125	DOFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.006 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.1461	-.2312	-.2143	-.1127	-.2292
-.750	-.3872	-.3548	-.2928	-.5025	-.4186
-.600	-.3942	-.4059	-.4254	-.4567	-.5004
-.450	-1.5788	-1.2810	-1.2297	-1.1996	-.8360
-.300	-.9826	-1.4957	-1.2147	-.9804	-.7794
-.150	-.2665	-1.4672	-1.4104	-1.1738	-.9222
.150	-.0186	-.0559	-.2398	-.2382	-.1507
.300	-.1793	-.1645	-.2517	-.2786	-.2426
.450	-.0660	-.1591	-.2073	-.1681	-.2111
.600	-.0247	-.0394	-.0325	-.0300	-.0098
.750	-.0477	.0365	.0537	.0783	.0521
.900	-.0302	.0146	.0213	.0323	.0163

MACH (1) = .165 ALPHA (2) = .015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.1646	-.2414	-.2132	-.0879	-.1528
-.750	-.3290	-.3213	-.3017	-.4095	-.4348
-.600	-.2598	-.2689	-.3500	-.4307	-.4139
-.450	-.9708	-.7827	-.7928	-1.0566	-.6284
-.300	-.5042	-.7301	-.7582	-.7719	-.5292
-.150	-.0339	-.5618	-.0488	-.6604	-.5182
.150	-.0385	-.1526	-.4906	-.4571	-.3828
.300	-.2043	-.2481	-.3642	-.4182	-.4033
.450	-.0998	-.2012	-.2578	-.2118	-.2401
.600	-.0242	-.0353	-.0329	-.0341	-.0237
.750	-.0456	.0304	.0463	.0719	.0475
.900	-.0276	.0262	.0323	.0415	.0269

OA57 916C5F1 .24 W87E18X9 WING UPPER SURFACE (WDT032)

MACH (1) = .165 ALPHA (3) = 4.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4481	-.4010	-.1581	-.2020	-.1821
-.750	-.3122	-.2612	-.2409	-.2610	-.2771
-.600	-.1454	-.1569	-.1885	-.2515	-.3232
-.450	-.4402	-.2482	-.5338	-.3078	-.4110
-.300	-.1082	-.1615	-.1877	-.2972	-.3041
-.150	.1251	-.1044	-.1506	-.2296	-.2036
.150	-.0838	-.3063	-.4688	-.7565	-.7018
.300	-.6926	-.3744	-.2484	-.3687	-.4738
.450	-.5524	-.5660	-.1316	-.2644	-.3073
.600	-.0204	-.0451	-.0427	-.0361	-.0242
.750	-.0290	-.0357	-.0301	.0307	.0231
.900	.0507	.0460	-.0199	.0484	.0266

MACH (1) = .165 ALPHA (4) = 9.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1472	-.1436	-.1961	.0036	-.1208
-.750	-.1473	-.1987	-.2593	-.4410	-.3688
-.600	-.0476	-.0833	-.1771	-.2400	-.2215
-.450	-.2442	-.1106	-.2091	-.4702	-.1394
-.300	.0237	-.0291	-.0789	-.1800	-.0454
-.150	.2505	.1630	.2342	.0759	.1246
.150	-.1374	-.5521	-.7365	-.8490	-1.0130
.300	-.2006	-.4936	-.5192	-.5482	-.6917
.450	-.1719	-.3502	-.3301	-.2971	-.3633
.600	-.0397	-.0593	-.0611	-.0462	-.0540
.750	-.0329	.0345	-.0300	.0271	.0145
.900	.0044	.0734	.0321	.0231	.0195

MACH (1) = .165 ALPHA (5) = 14.945 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1262	-.1143	-.1808	.0150	-.1379
-.750	-.0753	-.1304	-.2206	-.5002	-.3896
-.600	.0151	.0072	-.1493	-.1881	-.1845
-.450	-.0361	.0878	-.1437	-.3235	.0094
-.300	.1602	.1522	.0224	.0484	.0873

OA57 B16C5F1 J24 W87E18X9 WING UPPER SURFACE (WD T032)

MACH (1) = .165 ALPHA (5) = 14.945

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6830	.8760
X/C					
-.150	.3369	.3385	.3937	.1997	.2678
.150	-.2085	-1.0409	-.8857	-1.0040	-1.2550
.300	-.3482	-.7531	-.5781	-.5980	-.7606
.450	-.2216	-.4655	-.4253	-.3699	-.4327
.600	-.0600	-.0991	-.1149	-.0844	-.0639
.750	-.0391	.0078	-.3088	.0125	-.1339
.900	.0184	.0709	.0255	.0168	-.1121

MACH (1) = .165 ALPHA (8) = 19.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6830	.8760
X/C					
-.900	-.1011	-.0820	-.1714	-.0809	-.1668
-.750	-.0083	-.0824	-.2104	-.4827	-.3939
-.600	.0733	.0576	-.1122	-.1166	-.1209
-.450	.1470	.2243	-.0977	-.2037	.1341
-.300	.3089	.3156	.0813	.1784	.2166
-.150	.4461	.4766	.3689	.0900	.4074
.150	-.3054	-1.5381	-1.0263	-1.0747	-1.7231
.300	-.4469	-1.1499	-.6665	-.7074	-1.1734
.450	-.2568	-.5420	-.5796	-.5457	-.0939
.600	-.1114	-.1554	-.2320	-.1510	-.0991
.750	-.0864	-.0368	-.5680	-.0757	-.2038
.900	.0161	.0366	-.0200	-.0905	-.1691

OA57 D16C9F1 J15 W87E18X9 WING UPPER SURFACE (WD7033) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/D = .208 DDFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.2132	-.1199	-.1076	-.0750	-.1479
-.750	-.2259	-.1851	-.1889	-.2658	-.3428
-.600	-.1109	-.1959	-.1681	-.2864	-.3599
-.450	-.3764	-.2751	-.1628	-.2168	-.2741
-.300	-.4283	-.3771	-.2612	-.1863	-.2574
-.150	.0101	-.3204	-.4499	-.5123	-.2855
.150	.0019	-.0764	-.2480	-.3309	-.2907
.300	-.0849	-.1987	-.3395	-.3430	-.3047
.450	-.0538	-.2106	-.2369	-.2689	-.3078
.600	-.0112	-.1357	-.1557	-.2164	-.1355
.750	-.0502	-.0465	-.1685	-.0069	-.5555
.900	.0036	-.0076	.0567	.0611	-.0166

MACH (1) = .165 ALPHA (2) = .020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.2053	-.1168	-.1006	-.2333	-.1652
-.750	-.1893	-.1531	-.1571	-.1694	-.3503
-.600	-.0480	-.1405	-.1086	-.2253	-.2657
-.450	-.2837	-.1681	-.0752	-.1084	-.1593
-.300	-.3242	-.2085	-.1325	-.0754	-.1189
-.150	.0947	-.1555	-.2162	-.1780	-.0851
.150	-.0340	-.1966	-.4326	-.5793	-.5249
.300	-.1018	-.2847	-.4462	-.4821	-.5595
.450	-.1102	-.2712	-.2873	-.3371	-.3536
.600	-.0292	-.1391	-.1746	-.2479	-.1399
.750	-.0581	-.0569	-.1388	-.0337	-.5493
.900	.0491	-.0043	.0613	.0582	-.0538

OA57 B16C5F1 J15 WRTE18X9 WING UPPER SURFACE (NDT033)

MACH (1) = .165 ALPHA (3) = 4.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1912	-.0874	-.1628	-.2086	-.2026
-.750	-.1278	-.0986	-.2238	-.1037	-.3476
-.600	.0405	-.0476	-.0998	-.1441	-.1841
-.450	-.1603	-.0402	.0293	.0425	-.0202
-.300	-.2076	-.0337	-.0036	.0890	.0261
-.150	.1776	.0526	.0030	.1722	.1356
.150	-.0847	-.3391	-.5576	-.0661	-.0319
.300	-.1529	-.4025	-.4818	-.5967	-.7623
.450	-.1558	-.3304	-.3230	-.3006	-.4693
.600	-.0892	-.2002	-.1909	-.2562	-.2508
.750	-.0771	-.0716	-.1239	-.0698	-.6353
.900	.0356	-.0242	-.0350	.0036	-.1383

MACH (1) = .165 ALPHA (4) = 9.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1745	-.0653	-.1503	-.1896	-.2607
-.750	-.0433	-.0315	-.1704	-.0553	-.3066
-.600	.1191	.0399	-.0037	-.0747	-.0046
-.450	-.0495	.0527	.1180	.1636	.0819
-.300	-.0891	.0985	.0789	.2299	.1348
-.150	.2572	.1956	.0849	.4340	.2974
.150	-.1451	-.5733	-.6349	-1.1543	-1.3461
.300	-.2070	-.5656	-.5762	-.7070	-.9583
.450	-.2024	-.4313	-.3659	-.4448	-.3100
.600	-.1079	-.2443	-.2175	-.2926	-.3708
.750	-.0650	-.1388	-.1490	-.1118	-.8730
.900	.0832	-.0557	.0104	-.0154	-.1611

MACH (1) = .165 ALPHA (5) = 15.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1475	-.0304	-.0891	-.2263	-.3238
-.750	.0127	.0285	-.0692	-.0421	-.2763
-.600	.1072	.1077	.0019	-.0308	-.0031
-.450	.0647	.1260	.2264	.2785	.1715
-.300	.0779	.1879	.0972	.3458	.1873

0457 0160SF1 J15 NB7E16X9 WING UPPER SURFACE (NO TO33)

MACH (1) = .165 ALPHA (5) = 15.008

SECTION (1)WING DEPENDENT VARIABLE CP

Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3452	.2990	.0976	.6114	.3836
.150	-.2238	-1.0654	-.8018	-1.1793	-1.7296
.300	-.2646	-.7941	-.5947	-.7750	-1.1916
.450	-.2428	-.5070	-.3679	-.5000	-.8225
.600	-.1704	-.2995	-.2536	-.3463	-.5865
.750	-.1220	-.1712	-.2144	-.1293	-1.1012
.900	.0668	-.1206	-.0125	-.0565	-.6041

MACH (1) = .165 ALPHA (6) = 19.900 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1325	-.0232	-.2340	-.2765	-.4508
-.750	.0780	.0588	-.1938	-.0697	-.2724
-.600	.2582	.1717	-.1380	-.0345	.0469
-.450	.1756	.2436	.1917	.3108	.2391
-.300	.2409	.3184	.2804	.4347	.2653
-.150	.4186	.4140	.3016	.7479	.4575
.150	-.3262	-1.4956	-.7160	-1.5021	-1.1737
.300	-.3156	-1.0438	-.6656	-1.3649	-1.0027
.450	-.2802	-.6681	-.6676	-1.0704	-1.0745
.600	-.3278	-.5041	-.5279	-.6584	-.7328
.750	-.2430	-.3177	-.3782	-.3528	-.9333
.900	.0321	-.2137	-.1891	-.3225	-.8801

OA57 B16C3F1 J15 W87E18X9 WING UPPER SURFACE (WD T034) (08 NOV 93)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.206	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -3.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2155	-.2033	-.2985	-.3574	-.1593
-.750	-.3218	-.2653	-.4268	-.2323	-.3937
-.600	-.2654	-.3479	-.3489	-.3699	-.4231
-.450	-.3767	-.4021	-.4016	-.3276	-.3211
-.300	-.4875	-.5624	-.5606	-.2739	-.3106
-.150	-.0405	-.5162	-.8006	-.7500	-.3603
.150	-.0027	.0659	-.2210	-.2744	-.2148
.300	-.0607	-.1760	-.3036	-.3059	-.3402
.450	-.0695	-.1697	-.2057	-.2361	-.2492
.600	-.3192	-.1294	-.1416	-.1052	-.0143
.750	-.0388	-.0302	-.1548	.0006	-.3135
.900	.0682	.0260	.1267	.0682	-.2468

MACH (1) = .165 ALPHA (2) = .000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2104	-.1809	-.2658	-.3750	-.1905
-.750	-.2772	-.2254	-.3868	-.2108	-.3688
-.600	-.1926	-.2491	-.2538	-.3461	-.3376
-.450	-.4611	-.3537	-.2783	-.2117	-.2023
-.300	-.3579	-.3784	-.4231	-.1349	-.1790
-.150	.0458	-.7810	-.5597	-.3788	-.1373
.150	-.0382	-.1744	-.3828	-.5203	-.4543
.300	-.0097	-.2572	-.4029	-.4338	-.4014
.450	-.1036	-.2513	-.2565	-.3034	-.2786
.600	-.3349	-.1511	-.1660	-.2318	-.0393
.750	-.0500	-.0446	-.1419	-.0240	-.4265
.900	.0439	.0261	.0064	.0614	-.3268

DATE 25 SEP 74 TABULATED SOURCE DATA - OA57A

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT034)

MACH (1) = .165 ALPHA (3) = 4.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2114	-.1629	-.2064	-.4310	-.2036
-.750	-.2107	-.1757	-.3019	-.2007	-.3689
-.600	-.0875	-.1436	-.1750	-.2574	-.2455
-.450	-.3326	-.1951	-.1351	-.0787	-.0655
-.300	-.2150	-.1693	-.2709	.0077	-.0288
-.150	.1302	-.0655	-.2586	.0043	.0096
.150	-.0063	-.3269	-.5673	-.0126	-.0106
.300	-.1433	-.3681	-.4854	-.5793	-.6906
.450	-.1540	-.3194	-.3110	-.3729	-.4352
.600	-.3408	-.1972	-.1957	-.2489	-.1266
.750	-.0630	-.0646	-.1058	-.0582	-.4480
.900	.0293	-.0009	-.0093	.0154	-.2116

MACH (1) = .165 ALPHA (4) = 9.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1747	-.0919	-.2581	-.4131	-.2194
-.750	-.1210	-.0889	-.3316	-.1563	-.2860
-.600	.0225	-.0209	-.0724	-.1643	-.1370
-.450	-.1782	-.0401	.0221	.0581	.0746
-.300	-.0706	-.0074	-.0936	.1568	.1169
-.150	.2356	.1289	-.0567	.3408	.2696
.150	-.1423	-.5231	-.5758	-1.0529	-1.2271
.300	-.1943	-.5341	-.5417	-.6680	-.9053
.450	-.1823	-.3876	-.3358	-.4045	-.5545
.600	-.3136	-.2122	-.1951	-.2554	-.2608
.750	-.0711	-.0873	-.1295	-.0841	-.7640
.900	.0852	-.0153	.0229	.0062	-.1664

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1710	-.0827	-.2971	-.4461	-.3001
-.750	-.0443	-.0210	-.3320	-.1199	-.2698
-.600	.1250	.0702	-.0251	-.0838	-.0483
-.450	-.0547	.0530	.1345	.1960	.1601
-.300	.0750	.1142	-.0085	.2946	.2031

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT034)

MACH (1) = .165 ALPHA (5) = 14.970

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6830	.8760
X/C					
-.150	.3186	.2358	-.0088	.5294	.3750
.150	-.2015	-.9868	-.6991	-1.2498	-1.6364
.300	-.2432	-.7244	-.5491	-.7422	-1.1176
.450	-.2308	-.4844	-.3489	-.4627	-.7058
.600	-.3172	-.2895	-.2408	-.3250	-.3878
.750	-.0999	-.1491	-.1749	-.1180	-.6669
.900	.0897	-.1040	-.0073	-.0334	-.4221

MACH (1) = .165 ALPHA (6) = 19.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6830	.8760
X/C					
-.900	-.1715	-.0348	-.3716	-.5767	-.4337
-.750	.0197	.0473	-.3402	-.1331	-.2739
-.600	.2010	.1378	.0355	-.0840	.0236
-.450	.0831	.1461	.2449	.2981	.2354
-.300	.2033	.2204	.0923	.3937	.2573
-.150	.4090	.3471	.0211	.6756	.4543
.150	-.3092	-1.4140	-.7411	-1.2100	-1.3337
.300	-.3311	-.0521	-.5899	-1.0201	-1.2678
.450	-.2883	-.8132	-.5444	-.8747	-1.2308
.600	-.2865	-.4562	-.4662	-.6713	-.7804
.750	-.2113	-.2803	-.3802	-.2616	-1.0302
.900	.0399	-.1984	-.1439	-.2308	-.9807

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WD T035) (08 NOV 93)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.300
H/C =	.206	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -3.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1557	-.1677	-.2120	-.3569	-.1320
-.750	-.1616	-.2425	-.1852	-.2007	-.3689
-.600	-.2007	-.2889	-.2206	-.3184	-.4171
-.450	-.4898	-.3824	-.2787	-.2589	-.2060
-.300	-.4414	-.4847	-.4259	-.2067	-.2800
-.150	-.0274	-.4339	-.6291	-.6145	-.3324
.150	-.0037	-.0707	-.2273	-.2985	-.2494
.300	-.2487	-.1867	-.3210	-.3274	-.3756
.450	-.0617	-.1965	-.2104	-.2451	-.2805
.600	-.1821	-.1348	-.1428	-.1966	-.0768
.750	-.1595	-.0374	-.1667	.0122	-.4772
.900	.0848	.0212	.1267	.0722	-.0584

MACH (1) = .165 ALPHA (2) = .020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1491	-.1531	-.1933	-.3628	-.1611
-.750	-.1719	-.1684	-.1889	-.1489	-.3344
-.600	-.1286	-.2089	-.1720	-.2591	-.3507
-.450	-.3088	-.2677	-.1735	-.1566	-.1735
-.300	-.3091	-.2865	-.2671	-.0759	-.1533
-.150	.0842	-.2267	-.3894	-.2681	-.0984
.150	-.0429	-.1976	-.4082	-.5618	-.5000
.300	-.2727	-.2895	-.4215	-.4666	-.5474
.450	-.1078	-.2598	-.2893	-.3251	-.3454
.600	-.1094	-.1674	-.1801	-.2399	-.1322
.750	-.1721	-.0833	-.1437	-.0224	-.4197
.900	.0396	.0171	.0912	.0584	-.0542

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (NOTO35)

MACH (1) = .165 ALPHA (3) = 4.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1219	-.1098	-.2253	-.4048	-.1897
-.750	-.1705	-.1302	-.1619	-.1020	-.3088
-.600	-.0265	-.0884	-.0865	-.1668	-.2627
-.450	-.2416	-.1020	-.0357	.0005	-.0358
-.300	-.1628	-.0924	-.1056	.0803	.0038
-.150	.1551	.0038	-.0860	.1064	.1163
.150	-.0080	-.3244	-.5576	-.8380	-.8848
.300	-.2098	-.3897	-.4805	-.5860	-.7369
.450	-.1482	-.3162	-.3077	-.3759	-.4516
.600	-.1692	-.1806	-.1626	-.2408	-.2066
.750	-.0675	-.0665	-.1065	-.0472	-.4780
.900	.0400	.0087	-.0104	.0166	-.1016

MACH (1) = .165 ALPHA (4) = 9.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.0978	-.0700	-.2208	-.4112	-.2443
-.750	-.1798	-.0498	-.2439	-.0540	-.2803
-.600	.0833	.0056	-.0103	-.0654	-.1482
-.450	-.1179	.0079	.0800	.1325	.0734
-.300	-.0478	.0502	.0144	.2439	.1358
-.150	.2462	.1611	.0241	.3917	.2812
.150	-.1468	-.5584	-.6239	-1.1160	-1.2041
.300	-.3381	-.5456	-.5603	-.6857	-.9308
.450	-.1062	-.4150	-.3498	-.4308	-.5754
.600	-.1615	-.2345	-.2132	-.2756	-.2752
.750	-.0792	-.0991	-.1282	-.0918	-.5754
.900	.0734	-.0244	.0212	-.0076	-.2296

MACH (1) = .165 ALPHA (5) = 14.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0845	-.0333	-.2261	-.4625	-.3166
-.750	-.1944	.0141	-.2257	-.0017	-.2852
-.600	.1401	.0930	.0695	.0379	-.0530
-.450	-.0020	.0923	.1930	.3039	.1671
-.300	.0880	.1538	.0564	.4043	.1931

OAS7 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (ND T035)

MACH (1) = .165 ALPHA (5) = 14.990

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3345	.2767	.0832	.3706	.3914
.150	-.2144	-1.0241	-.7380	-1.1627	-1.6691
.300	-.4335	-.7682	-.5612	-.7407	-1.1461
.450	-.2406	-.5000	-.3581	-.4781	-.7456
.600	-.1693	-.2838	-.2553	-.3244	-.4227
.750	-.1163	-.1753	-.2020	-.1140	-.6608
.900	.0836	-.1092	-.0156	-.0406	-.4250

MACH (1) = .165 ALPHA (6) = 19.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0683	-.0098	-.3134	-.6165	-.4260
-.750	.0806	.0808	-.2598	-.0372	-.2675
-.600	.2324	.1815	.0098	.0489	.0137
-.450	.1202	.2134	.1811	.3609	.2486
-.300	.2265	.2847	.2075	.4083	.2687
-.150	.4245	.3857	.1743	.7269	.4644
.150	-.3190	-1.4310	-.7104	-1.1686	-1.2400
.300	-.4934	-.9789	-.6163	-1.0742	-1.2011
.450	-.2001	-.6566	-.6037	-1.0237	-1.2100
.600	-.1663	-.4682	-.4975	-.6067	-.7440
.750	-.0777	-.3028	-.3706	-.3078	-1.0140
.900	.0467	-.1923	-.1680	-.2598	-.9763

OA57 D16C5F1 J15 W8TE18X9 WING UPPER SURFACE (WDT036) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/D = .206 DOFLAP = -18.000
ELEVON = .000 AILERON = .000

MACH (1) = .165 ALPHA (1) = -3.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1035	-.1197	-.1158	-.2863	-.1608
-.750	-.1563	-.1561	.0302	-.1603	-.3463
-.600	-.1153	-.1998	-.1353	-.2483	-.4217
-.450	-.4106	-.2655	.0218	-.1811	-.2490
-.300	-.3604	-.3937	-.2721	-.1437	-.2416
-.150	-.0084	-.3650	-.5029	-.5469	-.2878
.150	-.0017	-.0773	-.2473	-.3216	-.2791
.300	-.3198	-.1928	-.3314	-.3414	-.3858
.450	-.0668	-.2082	-.2233	-.2604	-.2839
.600	-.0014	-.1468	-.1640	-.2179	-.5097
.750	-.0486	-.0542	-.1819	.0011	-.2408
.900	.0835	-.0075	.0904	.0519	-.2846

MACH (1) = .165 ALPHA (2) = .008 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0854	-.1065	-.0934	-.3789	-.1776
-.750	-.1899	-.1134	.0436	-.0885	-.3392
-.600	-.0452	-.1176	-.0773	-.1880	-.4238
-.450	-.3094	-.1648	.0231	-.0908	-.1545
-.300	-.2722	-.2318	-.1581	-.0406	-.1112
-.150	.0697	-.1817	-.2556	-.2052	-.0607
.150	-.0403	-.1978	-.4197	-.5772	-.5132
.300	-.3144	-.2832	-.4339	-.4799	-.5573
.450	-.1143	-.2697	-.2819	-.3375	-.3456
.600	.0105	-.1740	-.1892	-.2472	-.6909
.750	-.0676	-.0749	-.1555	-.0365	-.2223
.900	.0490	-.0097	.0626	.0426	-.2619

OA57 016C5F1 J15 W87E18X9 WING UPPER SURFACE (WD TO36)

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0594	-.0793	-.1868	-.4339	-.2107
-.750	-.1595	-.0598	.0608	-.0155	-.2990
-.600	.0825	-.0235	-.0514	-.0714	-.3110
-.450	-.1880	-.0382	.0301	.0042	-.0140
-.300	-.1551	-.0584	-.0550	.1536	.0414
-.150	.1566	.0216	-.0549	.1602	.1470
.150	-.0903	-.3357	-.5571	-.6524	-.9057
.300	-.3289	-.3991	-.4796	-.5962	-.7453
.450	-.1569	-.3258	-.3160	-.3849	-.4508
.600	.0313	-.2002	-.1950	-.2477	-.0203
.750	-.0716	-.0027	-.1257	-.0576	-.3004
.900	.0379	.0008	-.0242	.0024	-.3234

MACH (1) = .165 ALPHA (4) = 9.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0263	-.0421	-.1880	-.3989	-.3035
-.750	-.1371	.0134	-.1691	.0773	-.2920
-.600	.1481	.0610	-.0064	.0611	-.2123
-.450	-.0694	.0527	.0592	.2329	.0887
-.300	-.0197	.0801	.0298	.3149	.1412
-.150	.2543	.1861	.0460	.4513	.3046
.150	-.1418	-.5657	-.6228	-1.1509	-1.3270
.300	-.3711	-.5609	-.5741	-.7072	-.9520
.450	-.2006	-.4247	-.3545	-.4391	-.5874
.600	.0502	-.2393	-.2083	-.2788	-1.0060
.750	-.0857	-.1110	-.1346	-.1015	-.3988
.900	.0697	-.0317	.0212	-.0119	-.4211

MACH (1) = .165 ALPHA (5) = 14.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0108	-.0146	-.1361	-.3444	-.3399
-.750	-.1203	.0483	-.0147	.0879	-.2613
-.600	.2143	.1310	-.1475	.0914	-.1047
-.450	.0307	.1228	.0813	.3209	.1682
-.300	.1229	.1715	.1196	.4303	.1940

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OA57 D16C3F1 J15 W87E18X9 WING UPPER SURFACE (40 TO 36)

MACH (1) = .165 ALPHA (5) = 14.975

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3308	.2814	.0870	.6328	.3912
.150	-.2193	-1.0877	-.7601	-1.1924	-1.6985
.300	-.4414	-.7739	-.3819	-.7734	-1.1650
.450	-.2414	-.5073	-.3619	-.4069	-.0098
.600	.0890	-.2998	-.2523	-.3311	-1.2906
.750	-.1175	-.1623	-.2000	-.1233	-.6722
.900	.0849	-.1025	-.0027	-.0515	-.4853

MACH (1) = .165 ALPHA (6) = 19.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0351	-.0313	-.2089	-.4492	-.4680
-.750	-.1208	.0547	-.1633	.0861	-.2084
-.600	.2742	.1687	-.1993	.2041	-.0547
-.450	.1200	.2086	.0734	.4639	.2087
-.300	.2567	.2659	.2625	.5493	.2310
-.150	.4079	.3859	.1833	.7538	.4341
.150	-.3219	-1.4480	-.7877	-1.4289	-1.1899
.300	-.4810	-.9745	-.6877	-1.3370	-1.0590
.450	-.2977	-.6608	-.6644	-1.0812	-1.0768
.600	.0042	-.4832	-.5327	-.7263	-.7681
.750	-.2438	-.3190	-.3754	-.4026	-.0621
.900	.0389	-.2015	-.1562	-.3269	-.0032

OA57 D16C9F1 J15 W87E18X9 WING UPPER SURFACE (ND1037) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 C.F.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.206	DOFLAP =	-10.000
ELEVON =	5.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1461	-.1302	-.2114	-.0493	-.1424
-.750	-.2805	-.1179	-.1944	-.1459	-.1943
-.600	-.2068	-.2640	-.3178	-.2230	-.1915
-.450	-.5216	-.4246	-.3472	-.2627	-.2319
-.300	-.4053	-.5357	-.5245	-.2041	-.2444
-.150	-.0288	-.4417	-.7428	-.6736	-.3208
.150	-.0027	-.0726	-.2350	-.3293	-.2690
.300	-.1057	-.2016	-.3418	-.3643	-.4108
.450	-.0808	-.2127	-.2686	-.2606	-.3424
.600	-.0153	-.1641	-.2127	-.2269	-.3648
.750	-.0524	-.0094	-.2378	-.1666	-.2033
.900	.1029	.0106	.0383	.0561	.0040

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1512	-.1270	-.1913	-.0464	-.1629
-.750	-.2265	-.0823	-.1627	-.1108	-.1994
-.600	-.1389	-.1916	-.2368	-.1749	-.1185
-.450	-.4217	-.3074	-.2209	-.1559	-.1122
-.300	-.3092	-.3425	-.3767	-.0820	-.1157
-.150	.0480	-.2572	-.5090	-.3199	-.0885
.150	-.0384	-.2005	-.4324	-.6015	-.5359
.300	-.1468	-.2941	-.4481	-.5146	-.5656
.450	-.1160	-.2628	-.3349	-.3730	-.4127
.600	-.0378	-.2035	-.2541	-.2838	-.4380
.750	-.0700	-.0035	-.2380	-.2067	-.2277
.900	.0424	-.0208	.0010	.0338	-.0306

OA57 S16C5F1 J15 WRTE18X9 WING UPPER SURFACE (NOTO37)

MACH (1) = .165 ALPHA (3) = 4.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1245	-.0727	-.2087	-.0528	-.1408
-.750	-.1484	-.0089	-.1245	-.0568	-.1803
-.600	-.0410	-.0810	-.1208	-.0888	-.0168
-.450	-.2691	-.1326	-.0829	-.0098	.0430
-.300	-.1859	-.1328	-.2028	.0726	.0364
-.150	.1457	-.0296	-.2031	.0727	.1418
.150	-.0983	-.3423	-.6230	-.9207	-.0328
.300	-.1931	-.4140	-.5255	-.6549	-.7881
.450	-.1614	-.3416	-.3826	-.4475	-.5311
.600	-.0876	-.2474	-.2530	-.2928	-.4057
.750	-.0048	-.1120	-.2058	-.2047	-.2627
.900	.0304	-.0322	-.0456	-.0112	-.0819

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0908	-.0156	-.1932	-.0709	-.1698
-.750	-.0708	.0856	-.1179	-.0234	-.1847
-.600	.0899	.0162	-.0472	-.0078	.0398
-.450	-.1392	-.0112	-.0989	.1083	.1423
-.300	-.0536	.0148	-.0868	.1989	.1513
-.150	.2335	.1453	-.0838	.3628	.2875
.150	-.1568	-.5825	-.8478	-1.2057	-1.3420
.300	-.2567	-.3713	-.5640	-.7398	-.9636
.450	-.2042	-.4206	-.4000	-.4836	-.6441
.600	-.1168	-.2729	-.2752	-.2829	-.5054
.750	-.0971	-.1448	-.2583	-.2059	-.2034
.900	.0942	-.0858	-.0966	-.0443	-.1583

MACH (1) = .165 ALPHA (5) = 14.935 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0490	.0221	-.1831	-.1118	-.2487
-.750	-.0018	.1200	-.0832	.0082	-.2117
-.600	.1444	.1069	.0219	.0772	.1483
-.450	-.0191	.0788	.1697	.2340	.2174
-.300	.0919	.1372	.0090	.3406	.2163

OA57 D16C3F1 J15 W87E18X9 WING UPPER SURFACE (NOTE 37)

MACH (1) = .165 ALPHA (5) = 14.935

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.8630	.8960
X/C					
-.150	.3282	.2569	.0090	.5549	.3983
.150	-.2186	-1.0927	-.7890	-1.3043	-1.7465
.300	-.3238	-.7559	-.5744	-.8122	-1.2313
.450	-.2498	-.5327	-.4225	-.5390	-.8199
.600	-.1468	-.3104	-.2792	-.3267	-.5979
.750	-.1670	-.1286	-.3244	-.2366	-.4435
.900	.0600	-.1449	-.1208	-.0877	-.3288

MACH (1) = .165 ALPHA (8) = 19.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.8630	.8960
X/C					
-.900	-.1108	.0631	-.2419	-.2497	-.3430
-.750	.0870	.1607	-.1040	-.0528	-.2008
-.600	.2201	.1618	-.0015	.1124	.2482
-.450	.0621	.1780	.2644	.3093	.2743
-.300	.2128	.2208	.0934	.4224	.2726
-.150	.4016	.3486	.0182	.8655	.4535
.150	-.3168	-1.5182	-.9424	-1.3278	-1.4358
.300	-.3793	-1.0412	-.6620	-1.1937	-1.3717
.450	-.3277	-.7100	-.6452	-.9699	-1.4304
.600	-.1568	-.4999	-.5877	-.6875	-1.2504
.750	-.2439	-.2098	-.6501	-.5156	-1.0662
.900	.0249	-.2100	-.2847	-.2782	-1.0393

DAS7 B16C3F1 J15 W8PE1819 WING UPPER SURFACE (ND7038) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	39.0350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0406 SCALE				

PARAMETRIC DATA

DE A =	.000	PTN/P =	1.300
H/D =	.286	DOFLAP =	-10.000
ELEVON =	5.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.0913	-.0993	-.1317	-.0847	-.1440
-.750	-.2209	-.0983	-.1359	-.1441	-.2006
-.600	-.1913	-.2245	-.2068	-.1666	-.1724
-.450	-.4571	-.3304	-.2366	-.1982	-.2085
-.300	-.3468	-.4229	-.3623	-.1422	-.2201
-.150	-.0090	-.3681	-.5821	-.5455	-.2607
.150	-.0039	-.0659	-.2630	-.3748	-.3173
.300	-.1273	-.2063	-.3616	-.3001	-.4373
.450	-.0927	-.2283	-.2646	-.3012	-.3501
.600	-.1190	-.1819	-.2340	-.2283	-.3916
.750	-.1712	-.0310	-.2452	-.1946	-.2240
.900	.0736	-.0268	.0356	.0417	-.0086

MACH (1) = .165 ALPHA (2) = -.030 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.0933	-.0812	-.0972	-.0332	-.1414
-.750	-.1687	-.0291	-.0772	-.0836	-.2080
-.600	-.0773	-.1339	-.1207	-.1172	-.0989
-.450	-.3472	-.2083	-.1228	-.0894	-.0827
-.300	-.2456	-.2394	-.2231	-.0159	-.0682
-.150	.0969	-.1871	-.3179	-.2084	-.0390
.150	-.0360	-.2083	-.4744	-.6398	-.5648
.300	-.1306	-.2082	-.4653	-.5292	-.6065
.450	-.1201	-.2630	-.3377	-.3608	-.4208
.600	-.1143	-.1503	-.2472	-.2552	-.4328
.750	-.1446	-.0548	-.2266	-.1999	-.2181
.900	.0630	-.0152	.0320	.0340	-.0213

OA57 C16C5F1 J15 WRTE1819 WING UPPER SURFACE (NOTO30)

MACH (1) = .165 ALPHA (3) = 4.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.0833	-.0814	-.1630	-.0315	-.1592
-.750	-.0992	.0167	-.0834	-.0235	-.1631
-.600	.0126	-.0393	-.0692	-.0234	-.0154
-.450	-.2586	-.0567	.0126	.0509	.0690
-.300	-.1000	-.0802	-.0669	.1005	.0622
-.150	.1640	.0325	-.0566	.1574	.1650
.150	-.0965	-.3536	-.5104	-.9474	-.9798
.300	-.1492	-.4177	-.5151	-.6648	-.0173
.450	-.1640	-.3410	-.3613	-.4464	-.5402
.600	-.0977	-.2481	-.2490	-.2570	-.5043
.750	-.2006	-.0683	-.1037	-.1096	-.2771
.900	.0495	-.0317	-.0332	-.0120	-.0611

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.0689	.0022	-.1477	-.0216	-.2111
-.750	-.0176	.0857	-.0493	.0340	-.2346
-.600	.0938	.0639	.0221	.0735	.0537
-.450	-.0968	.0801	.1316	.1037	.1546
-.300	.0359	.0461	.0437	.2528	.1642
-.150	.2462	.1905	.0634	.4206	.3136
.150	-.1560	-.6209	-.6574	-1.2300	-1.4066
.300	-.2607	-.5611	-.5707	-.7597	-1.0378
.450	-.2128	-.4[illegible]	-.4035	-.4949	-.6830
.600	-.1100	-.2469	-.2750	-.2728	-.5197
.750	-.2242	-.1305	-.2585	-.2157	-.3088
.900	.0701	-.0760	-.0621	-.0407	-.1941

MACH (1) = .165 ALPHA (5) = 14.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.0760
X/C					
-.900	-.0508	.0471	-.0831	-.0319	-.2520
-.750	.0471	.1536	.0312	.0024	-.2041
-.600	.1159	.1457	.0904	.1773	.2240
-.450	.0351	.1455	.2401	.3472	.2236
-.300	.1602	.1[illegible]8	.0635	.3974	.2163

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT038)

MACH (1) = .165 ALPHA (5) = 14.950

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3435	.2911	.0874	.6056	.4010
.150	-.2247	-1.1213	-.0246	-1.2481	-1.8032
.300	-.3274	-.7866	-.5838	-.0218	-1.2820
.450	-.2533	-.5270	-.4347	-.5438	-.0084
.600	-.1684	-.3306	-.3168	-.3420	-.7071
.750	-.2573	-.1271	-.3685	-.2410	-.5508
.900	.0812	-.1315	-.1109	-.0822	-.5825

OA37 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT039) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/B = .206 DEFLAP = -18.000
EUIVON = 5.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0945	-.0823	-.0820	-.0336	-.1429
-.750	-.1507	-.0859	-.0781	-.1510	-.2038
-.600	-.0821	-.1468	-.0943	-.1346	-.1628
-.450	-.3737	-.2449	-.1297	-.1365	-.1702
-.300	-.3351	-.3524	-.2377	-.1161	-.1806
-.150	.0055	-.3187	-.4471	-.4704	-.2308
.150	-.0076	-.0084	-.2849	-.3993	-.3490
.300	-.0641	-.2209	-.3767	-.4088	-.4509
.450	-.0803	-.2422	-.2922	-.3208	-.3581
.600	.0171	-.1976	-.2473	-.2159	-.4046
.750	-.0892	-.0343	-.2621	-.1984	-.2275
.900	.0759	-.0633	.0088	.0275	-.0166

MACH (1) = .165 ALPHA (2) = -.008 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0679	-.0598	-.0276	-.0115	-.1287
-.750	-.1039	-.0235	-.0318	-.0799	-.2130
-.600	-.0114	-.0718	-.0275	-.0637	-.0717
-.450	-.2879	-.1131	-.0290	-.0358	-.0527
-.300	-.2437	-.1833	-.1095	-.0088	-.0526
-.150	.0876	-.1397	-.2001	-.1530	-.0021
.150	-.0422	-.2166	-.4843	-.6634	-.5837
.300	-.0929	-.3103	-.4854	-.5465	-.6188
.450	-.1234	-.2943	-.3443	-.3913	-.4279
.600	.0343	-.2161	-.2563	-.2477	-.4480
.750	-.0813	-.1052	-.2455	-.2121	-.2381
.900	.0496	-.0418	.0217	.0278	-.0340

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WD1039)

MACH (1) = .165 ALPHA (3) = 4.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0536	-.0337	-.1373	.0181	-.1654
-.750	-.0118	.0643	-.0056	.0101	-.1454
-.600	.0825	.0272	-.0138	.0343	-.0130
-.450	-.1429	.0101	.0024	.1419	.0793
-.300	-.1065	-.0199	-.0032	.1603	.0026
-.150	.1851	.0597	-.0266	.2148	.1016
.150	-.0018	-.3553	-.6209	-.0648	-1.0105
.300	-.1651	-.4275	-.5164	-.6737	-.0311
.450	-.1687	-.3533	-.3816	-.4543	-.5500
.600	.0463	-.2539	-.2538	-.2409	-.5224
.750	-.0904	-.0091	-.1968	-.2102	-.2037
.900	.0348	-.0437	-.0268	-.0201	-.0837

MACH (1) = .165 ALPHA (4) = 9.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0352	.0003	-.1690	.0877	-.2048
-.750	.0201	.1075	-.0332	.1113	-.2522
-.600	.1670	.0354	.0399	.1708	.0756
-.450	-.0339	.0902	.1813	.2687	.1556
-.300	.0317	.1003	.0741	.3151	.1621
-.150	.2599	.1978	.0707	.4811	.3183
.150	-.1528	-.6367	-.6676	-1.2835	-1.4490
.300	-.2432	-.5853	-.5802	-.7715	-1.0652
.450	-.2179	-.4621	-.4044	-.5040	-.7206
.600	.0566	-.2852	-.2712	-.2611	-.5428
.750	-.0932	-.1424	-.2663	-.2152	-.3338
.900	.0851	-.0793	-.0362	-.0441	-.2165

MACH (1) = .165 ALPHA (5) = 14.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0057	.0337	-.0923	.0732	-.2334
-.750	.0768	.1504	-.0008	.1479	-.2371
-.600	.2423	.1595	-.0839	.2499	.2736
-.450	.0716	.1556	.1856	.4124	.2111
-.300	.1719	.1973	.1716	.4408	.2076

OA57 G16C9F1 J15 WRTE18X9 WING UPPER SURFACE (4D TO 39)

MACH (1) = .165 ALPHA (5) = 14.975

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.150	.3399	.3008	.1036	.6561	.3913
.150	-.2238	-1.1326	-.8134	-1.2548	-1.8296
.300	-.3165	-.7907	-.5818	-.8194	-1.3010
.450	-.2543	-.5365	-.4551	-.5406	-.0754
.600	.0601	-.3414	-.3293	-.3336	-.8104
.750	-.1247	-.1135	-.3832	-.2374	-.6575
.900	.0781	-.1429	-.0027	-.0884	-.7494

MACH (1) = .165 ALPHA (6) = 19.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.2410	-.0312	.0273	-.1594	-.0117
-.750	.1132	.1561	.1715	-.0311	.1172
-.600	.2932	.1991	-.2134	.2009	.2067
-.450	.2594	.1631	.2528	.1341	.5135
-.300	.3136	.3134	.3066	.2041	.5191
-.150	.4283	.4098	.2040	.7684	.4546
.150	-.3399	-1.5602	-.8289	-1.3712	-1.1355
.300	-.3496	-.9401	-1.0986	-.7382	-1.3577
.450	-1.0718	-.3124	-.7464	-.7838	-1.1056
.600	-.3108	-.5316	-.6293	-.7571	-.9690
.750	-.2300	-.1782	-.1527	-.6877	-.5026
.900	-.6760	.0353	-.2307	-.2480	-.3651

OA57 S16C5F1 J15 W87E10X9 WING UPPER SURFACE (NO TO40) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.286	DDFLAP =	-18.000
ELEVON =	5.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.008 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0908	-.0786	-.0843	-.0301	-.1476
-.750	-.1618	-.0661	-.0786	-.1307	-.2066
-.600	-.0868	-.1519	-.1268	-.1579	-.1454
-.450	-.3489	-.2203	-.1124	-.1431	-.1803
-.300	-.2983	-.3235	-.2035	-.1230	-.1008
-.150	.0222	-.3093	-.4152	-.4355	-.2142
.150	-.0076	-.1090	-.3012	-.4167	-.3538
.300	-.1158	-.2132	-.3767	-.4153	-.4627
.450	-.0854	-.2429	-.2948	-.3228	-.3567
.600	-.0329	-.2051	-.2492	-.2254	-.4057
.750	-.0869	-.0298	-.2577	-.1977	-.2424
.900	.0791	-.0564	.0180	.0211	-.0241

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0789	-.0847	-.0444	-.0242	-.1371
-.750	-.1334	-.0161	-.0404	-.0800	-.2147
-.600	-.0199	-.0720	-.0401	-.0807	-.0727
-.450	-.2415	-.1094	-.0350	-.0417	-.0518
-.300	-.2006	-.1599	-.0025	-.0000	-.0868
-.150	.0977	-.1150	-.1509	-.1124	.0020
.150	-.0363	-.2108	-.4795	-.6528	-.5038
.300	-.1349	-.3048	-.4647	-.5460	-.6106
.450	-.1213	-.2920	-.3513	-.3958	-.4275
.600	-.0449	-.2097	-.2492	-.2423	-.4453
.750	-.0706	-.0030	-.2369	-.2070	-.2392
.900	.0513	-.0344	.0256	.0231	-.0417

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (40 TO 40)

MACH (1) = .165 ALPHA (3) = 4.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0845	-.0407	-.1207	-.0329	-.1607
-.750	-.0771	.0274	-.0888	-.0367	-.1518
-.600	.0837	-.0048	-.0446	-.0008	-.0289
-.450	-.1250	.0175	.0703	.0902	.0637
-.300	-.0759	.0010	.0274	.1360	.0700
-.150	.1734	.0735	.0207	.2249	.1707
.150	-.1053	-.3715	-.6147	-.9598	-1.0244
.300	-.1904	-.4404	-.5275	-.6850	-.8373
.450	-.1662	-.3547	-.3875	-.4638	-.5644
.600	-.0917	-.2659	-.2547	-.2463	-.5205
.750	-.0947	-.0819	-.2054	-.2216	-.2909
.900	.0374	-.0445	-.0392	-.0319	-.0937

MACH (1) = .165 ALPHA (4) = 9.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0528	.0084	-.1117	-.0487	-.2218
-.750	-.0094	.0939	-.0489	.0104	-.2584
-.600	.1424	.0781	.0501	.0618	.0619
-.450	-.0087	.0055	.1572	.2156	.1473
-.300	.0695	.1204	.1056	.2820	.1546
-.150	.2638	.2136	.1085	.4626	.3165
.150	-.1619	-.6503	-.8916	-1.2820	-1.4707
.300	-.2573	-.5867	-.5786	-.7766	-1.0735
.450	-.2212	-.4673	-.4132	-.5124	-.7066
.600	-.1333	-.3020	-.2847	-.2674	-.5553
.750	-.1018	-.1349	-.2674	-.2238	-.3388
.900	.0714	-.0855	-.0568	-.0579	-.2137

MACH (1) = .165 ALPHA (5) = 14.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0340	.0332	-.0814	-.0456	-.2374
-.750	.0968	.1520	.0134	.0411	-.2388
-.600	.2341	.1557	.1252	.1003	.2423
-.450	.0807	.1587	.2557	.3100	.2128
-.300	.1974	.1970	.1320	.3837	.2042

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (NDTOAO)

MACH (1) = .165 ALPHA (5) = 14.990

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3428	.3079	.0936	.8292	.3917
.150	-.2237	-1.1324	-.8114	-1.2595	-1.8258
.300	-.3230	-.8040	-.5914	-.8208	-1.3059
.450	-.2672	-.5345	-.4625	-.5466	-.0602
.600	-.1774	-.3372	-.3547	-.3400	-.0171
.750	-.1284	-.0827	-.4009	-.2466	-.6456
.900	.0752	-.1573	-.1123	-.0989	-.7247

MACH (1) = .165 ALPHA (6) = 19.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0417	.0288	-.1620	-.1543	-.3175
-.750	.0994	.1617	-.0496	.0207	-.2207
-.600	.2993	.2169	.0051	.0917	.3159
-.450	.1944	.2710	.2455	.3323	.2873
-.300	.3340	.3336	.3237	.4614	.2813
-.150	.4429	.4238	.2683	.7484	.4636
.150	-.3333	-1.5607	-.8178	-1.4694	-1.0055
.300	-.3531	-1.1152	-.7625	-1.3015	-1.1027
.450	-.3163	-.7489	-.7820	-1.0906	-1.1005
.600	-.3079	-.5208	-.6446	-.7678	-.0407
.750	-.2367	-.1163	-.8070	-.5869	-.0758
.900	.0372	-.2542	-.2666	-.3687	-.0561

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (NDT041) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/C = .206 DFLAP = -18.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0645	.0008	.0700	.5284	-.1297
-.750	-.0884	.0403	.0900	.0534	.0859
-.600	-.0197	-.0480	.0167	-.0561	.1500
-.450	-.3015	-.1555	-.0504	-.0165	-.0267
-.300	-.2323	-.2605	-.1413	-.0164	-.0945
-.150	.0406	-.2526	-.3302	-.3267	-.1175
.150	-.0139	-.1290	-.3370	-.4918	-.3857
.300	-.1308	-.2602	-.4482	-.4928	-.5997
.450	-.1051	-.2994	-.3808	-.4169	-.4823
.600	-.0547	-.2736	-.3308	-.3660	-.6329
.750	-.0945	.1426	-.6320	-.6400	-.3659
.900	.0815	-.1228	-.0587	-.1464	-.1300

MACH (1) = .165 ALPHA (2) = -.006 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0500	.0188	.0832	.0672	-.1262
-.750	-.0500	.1074	.1196	.0710	.0590
-.600	.0385	.0103	.0749	-.0017	.2004
-.450	-.2084	-.0374	.0329	.0694	.0528
-.300	-.1246	-.1179	-.0373	.0794	.0130
-.150	.0990	-.0874	-.1042	-.0540	.0761
.150	-.0502	-.2453	-.5518	-.0341	-.7551
.300	-.1515	-.3511	-.5507	-.6305	-.8036
.450	-.1427	-.3554	-.4300	-.4036	-.5565
.600	-.0746	-.2892	-.3502	-.3072	-.7230
.750	-.1085	.0003	-.5359	-.6293	-.4132
.900	.0625	-.1231	-.0932	-.1698	-.1789

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD41)

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.300	-.0372	.0549	-.0332	.8475	-.1453
-.750	.0187	.1872	.1349	.0868	.0468
-.600	.1287	.1027	.1387	.1108	.2392
-.450	-.0706	.0708	.1567	.2427	.1370
-.300	.0080	.0378	.0608	.2550	.1431
-.150	.1965	.1100	.0344	.3068	.2518
.150	-.1006	-.3878	-.6570	-1.1844	-1.2040
.300	-.2025	-.4798	-.5773	-.7698	-1.0074
.450	-.1634	-.4183	-.4700	-.5500	-.6066
.600	-.1000	-.3149	-.3481	-.3736	-.8578
.750	-.1124	-.0791	-.3679	-.5801	-.4535
.900	.0340	-.1520	-.2030	-.2297	-.2668

MACH (1) = .165 ALPHA (4) = 9.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.300	-.0220	.1047	.0135	.8467	-.1838
-.750	.0773	.2521	.1564	.1088	.0412
-.600	.2091	.1733	.1814	.2098	.3528
-.450	.0128	.1300	.2376	.3484	.1983
-.300	.1273	.1338	.1108	.3742	.1918
-.150	.2469	.2105	.0982	.5165	.3603
.150	-.1650	-.6021	-.7738	-1.4088	-1.7188
.300	-.2870	-.6430	-.6563	-.8838	-1.3132
.450	-.2417	-.5348	-.4988	-.6178	-.9133
.600	-.1506	-.3535	-.3900	-.4028	-.0485
.750	-.1206	-.3807	-.5203	-.5508	-.5578
.900	.0464	-.1729	-.1215	-.2148	-.5375

MACH (1) = .165 ALPHA (5) = 14.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.300	-.0074	.1301	.0854	.7852	-.1944
-.750	.1337	.2869	.1650	.1184	.0791
-.600	.2721	.2284	.0947	.3085	.4241
-.450	.1102	.2149	.2308	.4723	.2658
-.300	.2466	.2468	.2502	.5023	.2345

OA57 D16C9F1 J15 WRTE16X9 WING UPPER SURFACE (MDTD41)

MACH (1) = .165 ALPHA (5) = 14.960

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3348	.3343	.1502	.6916	.4143
.150	-.2422	-1.1686	-.0265	-1.4729	-2.0463
.300	-.3459	-.0680	-.6423	-.8073	-1.4601
.450	-.2467	-.5054	-.5320	-.6397	-1.2105
.600	-.1996	-.3835	-.4087	-.4498	-1.1939
.750	-.1356	-.4954	-.6840	-.5117	-.0791
.900	.0655	-.2348	-.1469	-.2095	-1.3094

MACH (1) = .165 ALPHA (6) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0524	.1219	-.0525	.8122	-.2393
-.750	.1546	.2015	.1267	.1225	.0638
-.600	.3285	.2587	.0094	.3152	.4452
-.450	.1084	.2309	.2274	.5578	.2030
-.300	.3423	.3419	.2603	.5520	.2691
-.150	.4099	.4297	.3569	.7735	.4652
.150	-.3271	-1.5774	-.7668	-1.1058	-1.0381
.300	-.3580	-1.1562	-.7006	-1.1547	-.9897
.450	-.3139	-.0101	-.0718	-1.0424	-1.0420
.600	-.3356	-.5740	-.7326	-.9510	-1.0312
.750	-.2774	-.6265	-1.0243	-.7059	-.9046
.900	.0152	-.3797	-.4181	-.5759	-.8662

OAST 0167SF1 J15 W87E18X3 WING UPPER SURFACE (NDT042) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5900 FUS ST		
LREF =	19.2500 IN.	YMRP =	.0000 B.P.		
LREF =	37.9350 IN.	ZMRP =	-.4057 W.P.		
SCALE =	.0456 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.206	DFLAP =	-10.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -3.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1585	-.0168	.4557	.6608	-.1224
-.750	-.1789	.1218	.3683	.0933	.0808
-.600	-.1208	-.1382	-.0002	-.0168	.1305
-.450	-.4459	-.3273	-.2424	-.0662	-.0460
-.300	-.2550	-.4313	-.4246	-.0594	-.1308
-.150	-.0858	-.3601	-.6335	-.5188	-.1749
.150	-.0037	-.1009	-.3006	-.4306	-.3259
.300	-.1209	-.2410	-.4247	-.4561	-.5452
.450	-.0512	-.2043	-.3602	-.3080	-.4566
.600	-.0308	-.2579	-.3085	-.3634	-.6670
.750	-.0424	-.3308	-.5607	-.6509	-.3472
.900	.1003	-.2556	-.1478	-.1471	-.1140

MACH (1) = .165 ALPHA (2) = .010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1493	.0151	.2410	.7420	-.1218
-.750	-.1409	.1795	.4446	.0874	.0795
-.600	-.0836	-.0537	-.0081	.0474	.2043
-.450	-.3346	-.1611	-.1244	.0389	.0489
-.300	-.1538	-.2535	-.2737	.0520	-.0141
-.150	-.0075	-.1091	-.3570	-.1913	.0289
.150	-.0488	-.2365	-.5300	-.7089	-.6081
.300	-.1696	-.3441	-.5372	-.6179	-.7631
.450	-.1353	-.3570	-.4336	-.4780	-.5352
.600	-.0874	-.3003	-.3525	-.4008	-.7718
.750	-.1044	-.4012	-.5403	-.6670	-.4025
.900	.0670	-.2652	-.1365	-.1762	-.1557

OA57 B18C3F1 J15 W87E18X9 WING UPPER SURFACE (WDT042)

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.1297	.0375	-.1615	.6650	-.1338
-.750	-.0866	.2222	.6809	.1291	.1011
-.600	.0339	.0458	.1543	.1343	.2553
-.450	-.1986	-.0332	.0228	.1574	.1410
-.300	-.0187	-.0865	-.1127	.1983	.1340
-.150	.1024	.0361	-.1334	.1816	.2101
.150	-.1083	-.3798	-.6771	-1.1403	-1.1371
.300	-.2158	-.4637	-.5021	-.7665	-.3697
.450	-.1813	-.4204	-.4647	-.5497	-.6077
.600	-.1015	-.3421	-.3723	-.3958	-.6430
.750	-.1122	-.3648	-.4286	-.6030	-.4520
.900	.0340	-.2449	-.1972	-.2176	-.2429

MACH (1) = .165 ALPHA (4) = 9.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.1163	.0656	-.0217	1.0838	-.1798
-.750	.0082	.2678	.7835	.1530	.0856
-.600	.1329	.1330	.1927	.2170	.3408
-.450	-.0950	.0788	.1475	.2568	.2093
-.300	.1114	.0787	.0135	.3134	.2124
-.150	.1924	.1680	.0103	.4351	.3508
.150	-.1636	-.6463	-.7326	-1.4240	-1.6117
.300	-.2774	-.6351	-.6441	-.8653	-1.2560
.450	-.2359	-.5290	-.5051	-.6139	-.7500
.600	-.1308	-.3645	-.3792	-.4084	-.9099
.750	-.1139	-.4472	-.5266	-.5708	-.5123
.900	.0566	-.3149	-.1354	-.2211	-.4294

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.0921	.1663	-.0336	1.3534	-.1624
-.750	.0038	.3591	.8277	.1666	.1076
-.600	.2170	.2006	.2164	.3100	.4200
-.450	.0629	.1752	.2752	.3918	.3076
-.300	.2331	.2013	.0691	.4532	.2631

OA37 916C3F1 J19 W8PE18X9 WING UPPER SURFACE (NDT042)

MACH (1) = .165 ALPHA (5) = 14.085

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.2908	.2984	.0209	.8172	.4445
.150	-.2375	-1.1440	-.0436	-1.4641	-2.0018
.300	-.3362	-.0137	-.6307	-.3122	-1.4708
.450	-.2772	-.6206	-.5102	-.6540	-1.1102
.600	-.1693	-.4031	-.4160	-.4650	-1.0670
.750	-.1250	-.3504	-.6735	-.4643	-.6036
.900	.0036	-.3769	-.1523	-.2183	-1.1741

MACH (1) = .165 ALPHA (6) = 19.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1177	.1908	-.1256	1.8466	-.2000
-.750	.1361	.3905	-.3047	.1204	.1261
-.600	.2651	.2650	.2458	.3359	.4208
-.450	.1572	.2728	.3696	.4608	.3478
-.300	.0214	.2602	.1952	.5238	.3274
-.150	.3507	.3023	.0846	.7385	.4017
.150	-.3523	-1.6338	-.9169	-1.7410	-1.3660
.300	-.3052	-1.1556	-.7744	-1.3958	-1.3609
.450	-.3389	-.8093	-.7870	-1.2083	-1.4362
.600	-.2941	-.5760	-.8977	-.8686	-1.2296
.750	-.2239	-.4909	-1.0114	-.7192	-1.0661
.900	.0358	-.4893	-.3333	-.4546	-1.1348

OA37 B16C9F1 J15 W8PE1819 WING UPPER SURFACE (NO TO43) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5960 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
LREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.300
H/C = .206 DOFLAP = -10.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8960
X/C					
-.900	-.1134	-.0083	-.0498	.4631	-.1343
-.750	-.1317	.0600	.1116	.2322	.0711
-.600	-.0940	-.0082	-.0084	-.0259	.1424
-.450	-.3991	-.2192	-.1192	-.0289	-.0190
-.300	-.1584	-.3383	-.2703	-.0322	-.1122
-.150	-.0894	-.2948	-.4450	-.3698	-.1350
.150	-.0099	-.1131	-.3137	-.4424	-.3693
.300	-.1237	-.2612	-.4474	-.4833	-.5675
.450	-.0938	-.2644	-.3630	-.3932	-.4560
.600	-.0471	-.2604	-.2988	-.3503	.7189
.750	-.0944	-.3171	-.5737	-.6624	-.3553
.900	.0940	-.2878	-.1544	-.1449	-.1172

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8960
X/C					
-.900	-.1163	.0084	-.1053	.6254	-.1265
-.750	-.0881	.1725	.0226	.2044	.0711
-.600	-.0137	-.0178	.0549	.0468	.2043
-.450	-.2847	-.1037	-.0366	.0664	.0898
-.300	-.0400	-.1606	-.1408	.0429	.0099
-.150	.0099	-.1137	-.2177	-.0869	.0629
.150	-.0611	-.2431	-.5558	-.6016	-.7245
.300	-.1570	-.3513	-.5529	-.6305	-.7736
.450	-.1422	-.3500	-.4330	-.4835	-.5203
.600	-.0725	-.3010	-.3455	-.3916	-.8006
.750	-.1030	-.3593	-.5210	-.6348	-.4035
.900	.0507	-.2602	-.1244	-.1684	-.1642

OA57 B16C5F1 J15 WR7E18X9 WING UPPER SURFACE (NDTO43)

MACH (1) = .165 ALPHA (3) = 4.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1014	.0374	-.2046	.7835	-.1574
-.750	-.0183	.2047	-.1174	.1849	.0494
-.600	.0697	.0736	.1493	.1369	.2361
-.450	-.1346	.0332	.0869	.1873	.1383
-.300	.0855	.0136	.0136	.2198	.1249
-.150	.0928	.0828	-.0060	.2497	.2258
.150	-.1056	-.3972	-.6806	-1.1598	-1.1877
.300	-.2123	-.4695	-.5903	-.7746	-1.0009
.450	-.1902	-.4245	-.4838	-.5548	-.5710
.600	-.1029	-.3394	-.3722	-.3063	-.0680
.750	-.1099	-.3131	-.3942	-.5042	-.4412
.900	.0302	-.2613	-.1955	-.2257	-.2543

MACH (1) = .165 ALPHA (4) = 9.945 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0824	.1150	-.2083	.9398	-.1951
-.750	.0556	.2818	.0242	.1674	.0638
-.600	.1593	.1597	.2032	.2340	.3203
-.450	-.0201	.1260	.2106	.3119	.2048
-.300	.1940	.1426	.1039	.3458	.2045
-.150	.2114	.2185	.0843	.4710	.3562
.150	-.1644	-.6707	-.7772	-1.4577	-1.6761
.300	-.2076	-.6306	-.6494	-.8020	-1.2050
.450	-.2462	-.5303	-.4084	-.6156	-.6804
.600	-.1463	-.3689	-.3875	-.4193	-.0387
.750	-.1210	-.3773	-.5166	-.5399	-.5155
.900	.0561	-.3137	-.1356	-.2183	-.4754

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0880	.1758	-.1543	1.1271	-.1681
-.750	.1332	.3557	.0304	12	.0975
-.600	.2366	.2450	.2765	.3389	.3981
-.450	.0966	.2045	.3216	.4416	.2829
-.300	.2035	.2200	.1216	.4827	.2542

OA57 B16C3F1 J15 W87E18X9 WING UPPER SURFACE (WDT043)

MACH (1) = .165 ALPHA (5) = 14.970

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.2745	.3208	.0368	.6377	.4232
.150	-.2411	-1.1839	-.8607	-1.4958	-2.0880
.300	-.3433	-.8557	-.6502	-.9250	-1.5044
.450	-.2923	-.6282	-.5492	-.6577	-1.1678
.600	-.1961	-.4116	-.4350	-.4891	-1.1324
.750	-.1408	-.3368	-.6956	-.4638	-.0506
.900	.0743	-.3513	-.1641	-.2231	-1.2016

MACH (1) = .165 ALPHA (6) = 19.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0941	.1599	-.2464	1.2668	-.1987
-.750	.1647	.3767	-.4368	.1123	.1279
-.600	.3091	.3008	.2644	.3435	.4547
-.450	.2085	.3091	.3028	.4805	.3527
-.300	.3947	.3488	.3153	.5475	.3330
-.150	.3576	.4340	.2278	.7614	.4966
.150	-.3551	-1.6516	-.8790	-1.4428	-1.1864
.300	-.3002	-1.1968	-.6547	-1.4245	-1.1565
.450	-.3396	-.8639	-.9342	-1.2281	-1.2207
.600	-.3289	-.5991	-.7415	-.9508	-1.0976
.750	-.2501	-.4483	-1.0659	-.7859	-.9539
.900	.0360	-.4929	-.3596	-.5216	-.9628

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT044) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0408 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/B =	.286	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0948	-.0139	-.0539	.4171	-.1344
-.750	-.1127	.0499	.0822	.2208	.0832
-.600	-.0181	-.0427	.0023	-.0871	.1431
-.450	-.2563	-.1377	-.0266	-.0132	-.0132
-.300	-.0593	-.2273	-.1094	.0001	-.0842
-.150	-.0371	-.2212	-.2900	-.3115	-.1134
.150	-.0008	-.1241	-.3520	-.5015	-.4240
.300	-.1415	-.2479	-.4332	-.4839	-.5659
.450	-.1081	-.3042	-.3008	-.4074	-.4641
.600	-.0428	-.2669	-.3265	-.3898	-.0941
.750	-.0988	-.2846	-.5470	-.6354	-.3791
.900	.0038	-.2952	-.1843	-.1586	-.1135

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0783	.0266	-.0705	.7885	-.1269
-.750	-.0540	.1314	.0022	.2127	.0589
-.600	.0365	.0224	.0787	-.0058	.2077
-.450	-.1611	-.0301	.0434	.0634	.0800
-.300	.0232	-.0003	-.0200	.0832	.0134
-.150	.0133	-.0687	-.0834	-.0199	.0762
.150	-.0482	-.2404	-.5655	-.8141	-.7621
.300	-.1701	-.3509	-.5575	-.6422	-.7742
.450	-.1401	-.3572	-.4403	-.4921	-.5420
.600	-.0730	-.3002	-.3427	-.3893	-1.0579
.750	-.1029	-.3206	-.3009	-.8190	-.4071
.900	.0560	-.2605	-.1262	-.1739	-.1629

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT044)

MACH (1) = .165 ALPHA (3) = 4.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0824	.0534	-.1573	.7991	-.1653
-.750	.0004	.1824	-.1190	.1871	.0376
-.600	.1180	.0979	.1133	.0808	.2475
-.450	-.0678	.0642	.1263	.1787	.1199
-.300	.1199	.0514	.0815	.2140	.1175
-.150	.0943	.1075	.0511	.2054	.2333
.150	-.1125	-.4172	-.7051	-1.1797	-1.2164
.300	-.2290	-.4620	-.6081	-.8000	-1.0343
.450	-.2052	-.4526	-.4997	-.5725	-.6731
.600	-.1134	-.3533	-.3839	-.4024	-1.1905
.750	-.1150	-.2802	-.3983	-.5879	-.4495
.900	.0215	-.2846	-.1883	-.2388	-.2006

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0498	.1204	-.1011	.7497	-.2001
-.750	.0770	.2594	.0095	.1913	.0529
-.600	.2083	.1721	.2236	.1604	.3516
-.450	.0554	.1629	.2414	.3139	.2092
-.300	.2219	.1662	.1497	.3670	.2047
-.150	.1863	.2510	.1272	.5154	.3692
.150	-.1678	-.6967	-.7860	-1.4229	-1.7208
.300	-.2997	-.6454	-.6556	-.8972	-1.2762
.450	-.2432	-.5483	-.4984	-.6252	-.8240
.600	-.1563	-.3718	-.3736	-.4136	-1.3517
.750	-.1268	-.3622	-.5244	-.5292	-.5049
.900	.0637	-.3106	-.1255	-.2134	-.4934

MACH (1) = .165 ALPHA (5) = 14.940 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0471	.1454	-.1023	.7154	-.1690
-.750	.1251	.3054	.0351	.1722	.0938
-.600	.2662	.2260	.2213	.1613	.4003
-.450	.1493	.2337	.3154	.3743	.2766
-.300	.3097	.2615	.2423	.4546	.2487

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT044)

MACH (1) = .165 ALPHA (5) = 14.940

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.2854	.3498	.0984	.6749	.4105
.150	-.2456	-1.2067	-.8102	-1.4475	-2.0794
.300	-.3598	-.8685	-.6566	-.9114	-1.4650
.450	-.2880	-.6245	-.5594	-.6536	-1.0081
.600	-.1997	-.4129	-.4367	-.4673	-1.7721
.750	-.1477	-.3215	-.6897	-.4984	-1.0775
.900	.0799	-.3425	-.1543	-.2243	-1.5196

MACH (1) = .165 ALPHA (6) = 19.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0894	.1328	-.2089	.6558	-.2100
-.750	.1554	.3228	-.4455	.1385	.0976
-.600	.3292	.2614	.1954	.1678	.4746
-.450	.2400	.3297	.2915	.3912	.3272
-.300	.4083	.3767	.3516	.5058	.2979
-.150	.3602	.4555	.3431	.7690	.4757
.150	-.3435	-1.6196	-.7816	-1.2625	-1.0345
.300	-.3620	-1.1511	-.8213	-1.2427	-1.0266
.450	-.3266	-.8274	-.9490	-1.1569	-1.1140
.600	-.3358	-.5925	-.7804	-.9901	-1.0[illegible]
.750	-.2634	-.4072	-1.0639	-.8948	-.9006
.900	.0200	-.4632	-.3348	-.5128	-.9104

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT045) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST				
LREF =	19.2300 IN.	YMRP =	.0000 C.P.				
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.				
SCALE =	.0405 SCALE						

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000		
H/C =	.125	DOFLAP =	-18.000		
ELEVON =	15.000	AILRON =	.000		

MACH (1) = .165 ALPHA (1) = -4.010 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0875	-.0471	.0502	.7018	-.2616
-.750	-.1287	-.0229	.0541	.0084	.0216
-.600	-.1340	-.0939	-.0425	-.0911	.1034
-.450	-.4111	-.1919	-.1446	-.0736	-.0669
-.300	-.1554	-.4083	-.2152	-.0701	-.1443
-.150	-.0824	-.3772	-.4224	-.3990	-.1653
.150	-.0252	-.1375	-.3608	-.4586	-.3564
.300	-.1224	-.2780	-.2970	-.5071	-.5479
.450	-.1098	-.3173	-.3631	-.4088	-1.3544
.600	-.0679	-.2972	-.3029	-.4061	-.4003
.750	-.1089	-.3291	-1.1500	-.4730	-.3917
.900	.0902	-.2538	-.0641	-.1341	-.4446

MACH (1) = .165 ALPHA (2) = -.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0840	.0325	.0729	.8802	-.2485
-.750	-.0558	.1052	.1256	.0245	.0245
-.600	.0043	.0204	.0727	.0043	.1897
-.450	-.2224	-.0211	.0256	.0654	.0369
-.300	.0289	-.1250	-.0614	.0822	-.0111
-.150	.0420	-.0045	-.1079	-.0445	.0322
.150	-.0592	-.2666	-.5611	-.0405	-.7491
.300	-.1567	-.3685	-.4316	-.6567	-.7508
.450	-.1571	-.3807	-.4253	-.4089	-1.3747
.600	-.0847	-.3244	-.3373	-.4579	-.5876
.750	-.1141	-.3067	-.0474	-.4324	-.4640
.900	.0510	-.2390	-.0041	-.1508	-.5435

OA57 D18C5F1 J15 WR7E18X9 WING UPPER SURFACE (NO TD45)

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0345	.1535	.0815	.8813	-.1664
-.750	.0883	.2576	.2135	.0412	.0372
-.600	.1736	.1898	.2055	.1614	.2898
-.450	.0198	.1548	.2046	.2872	.1388
-.300	.1908	.1119	.1020	.3025	.1446
-.150	.1647	.1044	.0724	.3784	.2435
.150	-.1123	-.4684	-.8942	-1.2378	-1.2772
.300	-.2198	-.5893	-.5574	-.8105	-1.0298
.450	-.1999	-.4948	-.4880	-.5788	-1.5399
.600	-.1149	-.3604	-.3589	-.4778	-1.1137
.750	-.1233	-.3021	-.5135	-.3984	-1.0000
.900	.0264	-.1828	-.1739	-.1722	-.7602

MACH (1) = .165 ALPHA (4) = 9.955 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0088	.2259	.1824	.6408	-.1989
-.750	.1913	.3390	.2546	.0851	.0271
-.600	.2849	.2771	.2898	.1907	.3430
-.450	.1614	.2398	.2924	.3024	.2045
-.300	.3089	.2345	.1751	.3975	.1583
-.150	.2523	.3176	.1321	.5943	.2739
.150	-.1691	-.6698	-.8961	-1.4059	-1.7703
.300	-.2884	-.6701	-.5741	-.8988	-1.3116
.450	-.2504	-.5608	-.4906	-.8149	-1.1924
.600	-.1509	-.3760	-.3571	-.4638	-1.2288
.750	-.1298	-.3822	-.7834	-.3914	-1.2871
.900	.0671	-.2718	-.0362	-.1810	-.7954

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0208	.2707	.2010	.7114	-.2049
-.750	.2629	.3007	.2588	.0623	.0508
-.600	.3790	.3474	.2407	.2838	.4682
-.450	.2859	.3278	.2605	.4484	.2468
-.300	.3812	.3327	.3165	.5235	.1522

OA57 D16C5F1 J15 WRPE18X9 WING UPPER SURFACE (NDT045)

MACH (1) = .165 ALPHA (5) = 14.988

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3218	.4094	.2503	.6944	.3009
.150	-.2511	-1.2412	-.7483	-1.4491	-2.0520
.300	-.3629	-.9033	-.5975	-.8985	-1.8733
.450	-.3007	-.6491	-.6022	-.6705	-1.3297
.800	-.2084	-.4267	-.4656	-.5334	-.0085
.750	-.1574	-.3874	-1.1182	-.4422	-1.0341
.900	.0690	-.3182	-.0807	-.2508	-.0332

MACH (1) = .165 ALPHA (6) = 19.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0199	.2747	.1964	.6114	-.2804
-.750	.3019	.4110	.2504	.0707	.0355
-.600	.4354	.3849	.2830	.2709	.4429
-.450	.3518	.3781	.3398	.4325	.2816
-.300	.4743	.4223	.3417	.5281	.1912
-.150	.4360	.4978	.3625	.7810	.3327
.150	-.3377	-1.5980	-.7396	-1.1381	-1.0434
.300	-.3609	-1.2070	-.7530	-1.0708	-1.0300
.450	-.3308	-.8660	-.9602	-1.1128	-1.0023
.600	-.3791	-.6459	-.8361	-1.0471	-1.0332
.750	-.3381	-.5335	-1.6115	-.9809	-.9858
.900	.0226	-.4695	-.2510	-.7522	-.9320

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTO46) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.0350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.300
H/C =	.125	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1735	-.1073	.1214	.6137	-.1325
-.750	-.2351	-.0890	.1591	.0898	.0450
-.600	-.2700	-.2419	-.1129	-.0608	.1225
-.450	-.5723	-.3998	-.2874	-.1231	-.0763
-.300	-.2204	-.6389	-.4623	-.1139	-.1780
-.150	-.1540	-.5818	-.6972	-.5634	-.2100
.150	-.0274	-.1391	-.3676	-.4626	-.3414
.300	-.1384	-.2780	-.2951	-.5099	-.5764
.450	-.1215	-.3327	-.3738	-.4107	-.5013
.600	-.0704	-.3152	-.3273	-.4452	-.7745
.750	-.1139	-.3651	-1.2364	-.4940	-.3988
.900	.0748	-.2064	-.0634	-.1461	-.1318

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1502	.0112	.2220	.6849	-.1465
-.750	-.1133	.1366	.3560	.0965	.0762
-.600	-.0778	-.0413	.0232	.0473	.2001
-.450	-.2862	-.1248	-.0710	.0428	.0362
-.300	.0094	-.2320	-.1622	.0628	-.0509
-.150	-.0072	-.1750	-.2712	-.1171	.0160
.150	-.0607	-.2776	-.5679	-.0304	-.7042
.300	-.1635	-.3687	-.4315	-.6593	-.7366
.450	-.1610	-.3885	-.4297	-.4984	-.4274
.600	-.0969	-.3479	-.3573	-.4736	-.3300
.750	-.1100	-.3643	-1.0088	-.4483	-.6631
.900	.0351	-.2628	-.0005	-.1592	-.2514

OA57 B16C5F1 J15 WRTE18X9 WING UPPER SURFACE (NDT046)

MACH (1) = .165 ALPHA (3) = 4.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0475	-.0808	.1517	.1836	.8322
-.750	.0515	.1556	.2808	.3407	.0998
-.600	.1352	.1711	.2189	.1631	.2993
-.450	.1388	.0235	.1256	.1518	.2175
-.300	.2079	.1454	.0731	.0832	.2509
-.150	.1514	.1481	.0498	.2802	.2140
.150	-.1124	-.4638	-.6804	-1.1936	-1.2195
.300	-.2179	-.3974	-.5802	-.5467	-.7998
.450	-.9864	-.2008	-.4919	-.4872	-.5713
.600	-.1120	-.3709	-.3599	-.4698	-.4366
.750	-.1191	-.2256	-.3332	-.5735	-.4065
.900	-.6918	.0276	-.1970	-.1739	-.1751

MACH (1) = .165 ALPHA (4) = 9.980 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0203	.2778	.3250	.3208	-.1745
-.750	.1948	.3902	.3582	.0980	.0432
-.600	.2817	.3084	.2977	.2544	.3481
-.450	.1859	.2544	.2003	.3456	.2155
-.300	.3272	.2324	.1538	.3885	.1025
-.150	.2448	.3067	.1240	.5233	.2911
.150	-.1733	-.6700	-.6603	-1.4250	-1.7340
.300	-.2845	-.6469	-.5589	-.8828	-1.2488
.450	-.2472	-.5469	-.4846	-.5946	-.5238
.600	-.1530	-.3662	-.3515	-.4620	-.6201
.750	-.1192	-.3795	-.0350	-.4220	-.8444
.900	.0611	-.2470	-.0337	-.1900	-.4571

MACH (1) = .165 ALPHA (5) = 14.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0218	.3523	.4473	.9292	-.2092
-.750	.3032	.4707	.4288	.1092	.0732
-.600	.3822	.4062	.3083	.2512	.4859
-.450	.3001	.3547	.3881	.3589	.2708
-.300	.4345	.3347	.1630	.4683	.1809

OA57 D16C5F1 J15 W07E18X9 WING UPPER SURFACE (WDTO46)

MACH (1) = .165 ALPHA (5) = 14.985

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3306	.4130	.0927	.6584	.3079
.150	-.2495	-1.2014	-.7197	-1.3564	-2.1006
.300	-.3382	-.0659	-.5677	-.9054	-1.5068
.450	-.2911	-.6197	-.5368	-.6314	-.9017
.600	-.2082	-.3916	-.4096	-.4745	-1.0367
.750	-.1398	-.3049	-1.0581	-.4407	-1.1330
.900	.0692	-.2735	-.0457	-.2165	-1.4638

MACH (1) = .165 ALPHA (6) = 19.985 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0310	.3979	.3350	1.2533	-.1660
-.750	.3742	.5364	.5069	.1207	.1521
-.600	.4694	.4868	.4691	.2482	.5461
-.450	.4165	.4572	.4054	.4559	.3594
-.300	.5264	.4491	.3768	.5503	.2878
-.150	.4514	.5245	.3328	.7764	.4081
.150	-.3548	-1.5968	-.6166	-1.4492	-1.1542
.300	-.3742	-1.1975	-.8321	-1.3310	-1.1661
.450	-.3591	-.8408	-1.0416	-1.2611	-1.2483
.600	-.3608	-.8093	-.7835	-1.0208	-1.0958
.750	-.2967	-.5585	-1.6323	-.8587	-.9574
.900	.0304	-.4024	-.2272	-.5943	-.9504

DATA G16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT047) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
LREF =	37.0350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0416 SCALE				

PARAMETRIC DATA

BETA =	.000	PTNAP =	1.000
H/L =	.125	DEFLAP =	-10.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -3.908 RNAL = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/L	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1077	-.0830	.0469	.6507	-.1602
-.750	-.1598	-.0223	.0832	.2103	.0429
-.600	-.0998	-.0994	-.0308	-.1079	.1242
-.450	-.3765	-.1064	-.1017	-.0746	-.0875
-.300	-.1568	-.3786	-.2135	-.0611	-.1460
-.150	-.1088	-.3575	-.4086	-.3707	-.1657
.150	-.0252	-.1593	-.4027	-.5249	-.4049
.300	-.1391	-.2051	-.3102	-.5260	-.5666
.450	-.1273	-.3337	-.3655	-.4314	-.3362
.600	-.0720	-.3171	-.3340	-.4512	-.0851
.750	-.1151	-.3621	-1.2307	-.4476	-.7365
.900	.0670	-.2641	-.0817	-.1671	-.4634

MACH (1) = .165 ALPHA (2) = -.008 RNAL = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
X/C					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
-.750	-.1893	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
-.450	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
-.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.150	[illegible]	[illegible]	-.5733	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OA57 516C5F1 J15 W97E18X9 WING UPPER SURFACE (NO TO47)

MACH (1) = .165 ALPHA (3) = 4.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0743	.1617	.1086	.7687	-.1937
-.750	.0854	.2698	.2456	.2216	.0374
-.600	.2013	.2021	.2107	.1141	.2068
-.450	.0632	.1617	.2113	.2277	.1388
-.300	.1980	.1519	.1406	.2704	.1386
-.150	.1404	.2117	.1329	.3643	.2184
.150	-.1089	-.4854	-.7027	-1.2415	-1.2982
.300	-.2266	-.6045	-.5549	-.6008	-.5767
.450	-.2019	-.5057	-.4901	-.5788	-.4337
.600	-.1009	-.3610	-.3566	-.4754	-.3727
.750	-.1252	-.3593	-.5628	-.4084	-.0173
.900	.0232	-.1930	-.1660	-.1875	-.5022

MACH (1) = .165 ALPHA (4) = 10.025 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0323	.2378	.2459	.7478	-.2142
-.750	.1911	.3588	.2980	.2219	.0430
-.600	.3213	.3068	.3168	.1546	.3386
-.450	.2081	.2670	.3129	.3459	.2084
-.300	.3110	.2648	.1727	.4042	.1755
-.150	.2409	.3413	.1304	.5421	.2717
.150	-.1703	-.6773	-.6792	-1.3587	-1.7741
.300	-.2982	-.6743	-.5809	-.6835	-1.2750
.450	-.2466	-.5608	-.4946	-.6164	-.4870
.600	-.1572	-.3768	-.3580	-.4612	-.5491
.750	-.1260	-.3841	-.6776	-.3968	-1.0718
.900	.0672	-.2307	-.0307	-.2030	-.5032

MACH (1) = .165 ALPHA (5) = 14.955 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0187	.2992	.2923	.7348	-.2004
-.750	.2309	.4204	.3252	.2233	.0985
-.600	.4196	.3909	.3594	.2022	.4884
-.450	.3209	.3901	.3801	.3284	.2798
-.300	.4089	.3762	.3689	.4415	.2649

OASP C16C3P1 J15 WBPE1819 WING UPPER SURFACE (NO TOAT)

MACH (1) = .165 ALPHA (5) = 14.985

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8960
X/C					
-.150	.3303	.4520	.2099	.8929	.3269
.150	-.2927	-1.2312	-.7845	-1.4590	-2.6096
.300	-.3732	-.9093	-.6002	-.9327	-1.9219
.450	-.2940	-.6469	-.6154	-.6982	-1.7670
.600	-.2169	-.4321	-.4693	-.5522	-1.1360
.750	-.1623	-.4110	-1.1132	-.4604	-1.0903
.900	.0765	-.2636	-.0836	-.2730	-.9279

MACH (1) = .165 ALPHA (8) = 19.995 RNAL = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8960
X/C					
-.900	-.0139	.2909	.2045	.8881	-.2560
-.750	.3208	.4377	.2919	.3037	.0867
-.600	.4715	.4374	.3882	.1192	.5250
-.450	.3938	.4331	.4084	.2726	.3308
-.300	.4885	.4697	.3916	.4260	.2398
-.150	.4341	.5319	.4515	.7856	.3733
.150	-.3493	-1.5453	-.7889	-1.2492	-1.1279
.300	-.4031	-1.2180	-.6400	-1.3127	-1.1281
.450	-.3582	-.8859	-1.0333	-1.1949	-1.1391
.600	-.3788	-.6177	-.7907	-1.0598	-1.1089
.750	-.3310	-.5764	.6833	-.8647	-.9817
.900	.0054	-.4447	-.2334	-.6222	-.9302

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT048) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/D =	.125	CDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = -4.02 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5415	-.2824	.1759	.6120	-.1331
-.750	-.4115	-.1893	.2041	.0455	.0415
-.600	-.4402	-.4001	-.2910	-.1269	.0943
-.450	-.5931	-.6222	-.5347	-.2272	-.1225
-.300	-.5100	-.9186	-.7600	-.1762	-.2471
-.150	-.2775	-.8286	-1.0353	-.8251	-.3010
.150	-.0346	-.1364	-.3534	-.4167	-.3072
.300	-.1654	-.2814	-.2704	-.4883	-.5627
.450	-.1214	-.3298	-.3746	-.4161	-.5131
.600	-.0725	-.3317	-.3349	-.4563	-.5128
.750	-.1221	-.4072	-1.3419	-.5179	-.4117
.900	.0578	-.3125	-.0904	-.1383	-.1212

MACH (1) = .165 ALPHA (2) = -.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5159	.0646	.3544	.6714	-.1438
-.750	-.2575	.0804	.4097	.0441	.1007
-.600	-.1762	-.1244	-.0842	.0208	.2043
-.450	-.5121	-.2643	-.2267	-.0208	.0192
-.300	-.2021	-.3892	-.3731	.0109	-.0537
-.150	-.0707	-.2689	-.5115	-.2629	-.0343
.150	-.0632	-.2598	-.5523	-.7885	-.6907
.300	-.1957	-.3971	-.4201	-.6328	-.7257
.450	-.1500	-.3887	-.4431	-.5091	-.6298
.600	-.0603	-.3477	-.3539	-.4798	-.5858
.750	-.1308	-.4325	-1.1015	-.4632	-.4481
.900	.0440	-.2033	-.1327	-.1738	-.1659

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT048)

MACH (1) = .165 ALPHA (3) = 4.950 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4753	.1036	.3222	.8301	-.1737
-.750	-.0536	.2440	.3848	.0428	.0630
-.600	.0549	.0993	.1798	.1434	.2440
-.450	-.1658	.0181	.0281	.1607	.1272
-.300	.0477	-.0216	-.0851	.2001	.1009
-.150	.1042	.0643	-.1253	.1900	.1899
.150	-.1180	-.4239	-.8964	-1.1617	-1.1912
.300	-.2372	-.5533	-.5276	-.7901	-.9407
.450	-.2003	-.4690	-.4921	-.5771	-.7724
.600	-.1141	-.3687	-.3741	-.4847	-.6685
.750	-.1217	-.3311	-.6004	-.4214	-.5276
.900	.0140	-.2235	-.2060	-.1848	-.2602

MACH (1) = .165 ALPHA (4) = 9.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3687	.2767	.3759	1.0547	-.1671
-.750	.1294	.3919	.3605	.0862	.0822
-.600	.2387	.2735	.2682	.2321	.3626
-.450	.0577	.1980	.2371	.2859	.2010
-.300	.2008	.1817	.0839	.3452	.1917
-.150	.2291	.2608	.0543	.4607	.2947
.150	-.1789	-.6934	-.6657	-1.4259	-1.6701
.300	-.2979	-.6218	-.5553	-.0670	-1.2156
.450	-.2400	-.5504	-.4902	-.6003	-.9397
.600	-.1515	-.3797	-.3640	-.4644	-.7654
.750	-.1117	-.4031	-.6090	-.4180	-.5569
.900	.0608	-.2713	-.0592	-.1867	-.4097

MACH (1) = .165 ALPHA (5) = 14.960 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2934	.3912	.5026	1.2536	-.1936
-.750	.2621	.4877	.4220	.0734	.0966
-.600	.3569	.3911	.3571	.2721	.4576
-.450	.2193	.3093	.3393	.3887	.2688
-.300	.3210	.2937	.0745	.4616	.2056

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WD T048)

MACH (1) = .165 ALPHA (5) = 14.980

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.150	.3102	.3833	.0224	.8344	.3112
.150	-.2507	-1.1628	-.7293	-1.3823	-2.0464
.300	-.3612	-.8404	-.5432	-.9189	-1.4680
.450	-.2766	-.6159	-.5078	-.8370	-1.1718
.600	-.1936	-.3954	-.3945	-.4865	-1.0485
.750	-.1307	-.3730	-1.0395	-.4460	-.9776
.900	.0974	-.2008	-.0808	-.2125	-1.2034

MACH (1) = .165 ALPHA (6) = 19.995 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.2789	.4388	.5438	1.2518	-.2134
-.750	.3584	.5533	.5075	.0783	.1498
-.600	.4481	.4705	.3823	.2149	.5310
-.450	.3353	.4184	.3808	.3953	.3502
-.300	.4143	.4079	.2483	.5382	.2900
-.150	.4239	.4933	.1840	.7625	.3927
.150	-.3467	-1.5845	-.8355	-1.4858	-1.1725
.300	-.4046	-1.1441	-.7618	-1.4041	-1.1793
.450	-.3583	-.8428	-.9779	-1.2575	-1.1973
.600	-.3013	-.6297	-.7805	-1.0158	-1.0716
.750	-.2428	-.5611	-1.5425	-.8127	-.9703
.900	.0433	-.4373	-.2382	-.5038	-.9672

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD49) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

SETA = .000 PTNAP = .000
H/C = .038 DDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.001 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2267	.5711	.4987	.3284	-.4757
-.750	.4471	.6013	.4224	.1450	-.3015
-.600	.5372	.5178	.4259	.2617	.1616
-.450	.4215	.4055	.3436	.1409	-.0095
-.300	.3984	.4142	.1925	.2381	-.0985
-.150	.4037	.4798	.1678	.6001	.0789
.150	-.1750	-.6617	-.6305	-1.3399	-1.8047
.300	-.3236	-.7163	-.4993	-.8211	-1.2930
.450	-.2508	-.5432	-.4785	-.5917	-1.0060
.600	-.1059	-.3717	-.3512	-.4475	-.8199
.750	-.1287	-.3773	-.8431	-.3436	-.5734
.900	.0532	-.1960	.0055	-.1780	-.5543

MACH (1) = .165 ALPHA (2) = 14.986 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0713	.6222	.5111	.3559	-.4482
-.750	.5632	.6509	.4540	.1697	-.2286
-.600	.6021	.5747	.4934	.3573	.2121
-.450	.5082	.4530	.4073	.3449	.0977
-.300	.4590	.4671	.2275	.3837	.0263
-.150	.4662	.5273	.0847	.5555	.1619
.150	-.2487	-1.1979	-.7539	-1.4530	-2.4125
.300	-.3610	-.0027	-.6229	-.9877	-1.8021
.450	-.3008	-.6012	-.6608	-.7875	-1.7604
.600	-.0932	-.4265	-.4052	-.5962	-1.3815
.750	-.1712	-.3803	-1.0563	-.4653	-1.1141
.900	.0630	-.2266	-.0526	-.2080	-1.1163

OA57 D16C3F1 J15 W87E18X9 WING UPPER SURFACE (WDT049)

MACH (1) = .165 ALPHA (3) = 19.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.1168	.6339	.4776	.3209	-.3987
-.750	.6256	.6688	.4381	.1677	-.1762
-.600	.6541	.5988	.5242	.3790	.2224
-.450	.5614	.5001	.4491	.3076	.1754
-.300	.5223	.5224	.3071	.3587	.1076
-.150	.5298	.5608	.1358	.5931	.3493
.150	-.3689	-1.6172	-.8713	-1.9276	-1.2730
.300	-.4089	-1.2507	-.9154	-1.4037	-1.2520
.450	-.3763	-.8479	-1.0852	-1.2739	-1.2068
.600	-.4229	-.6195	-.7799	-1.0086	-1.0035
.750	-.3325	-.4849	-1.5505	-.8245	-.9857
.900	.0021	-.3522	-.2443	-.8119	-.9496

OA57 B16C5F1 J15 WRPE18X9 WING UPPER SURFACE (WDTOSD) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DIA =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0408 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900		
H/D =	.038	DDFLAP =	-18.000		
ELEVON =	15.000	AILRON =	.000		

MACH (1) = .165 ALPHA (1) = 9.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/D	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.9298	.1347	3.0412	1.0887	-.9488
-.750	.6245	.8853	2.1368	.2149	-.2234
-.600	.6438	.7556	.4002	.5409	.3822
-.450	.5088	.5607	.2921	.2662	.0696
-.300	.4395	.4889	.1546	.2927	.0072
-.150	.3831	.5173	.1344	.4391	.1271
.150	-.1830	-.6547	-.6529	-1.3898	-1.7040
.300	-.3288	-.6945	-.4891	-1.0217	-1.2515
.450	-.2833	-.5376	-.4792	-.5843	-.0763
.600	-.1650	-.3908	-.3688	-.4660	-.7979
.750	-.1208	-.3732	-.8605	-.4090	-.5642
.900	.0226	-.2447	-.0408	-.1847	-.4048

MACH (1) = .165 ALPHA (2) = 14.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/D	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	-.4898	.6784	2.0509	1.4977	-.8833
-.750	.7250	.8798	1.0526	.2491	-.1529
-.600	.6918	.7563	.2035	.3472	.3390
-.450	.5625	.5569	.0822	.0880	.0656
-.300	.4918	.5109	.0206	.1485	-.0284
-.150	.4505	.5523	-.0479	.5605	.1428
.150	-.2605	-1.1749	-.7186	-1.3431	-2.0583
.300	-.3018	-.7981	-.5007	-.9822	-1.5116
.450	-.3150	-.6310	-.5906	-.6531	-1.3144
.600	-.2200	-.4329	-.4651	-.5283	-1.1644
.750	-.1593	-.3404	-1.0487	-.4188	-1.0359
.900	.0298	-.2283	-.0920	-.2296	-1.2119

OA57 B16C3F1 J15 W87E18X9 WING UPPER SURFACE (WDTDSD)

MACH (1) = .165 ALPHA (3) = 19.981 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.8630	.9760
X/C					
-.900	.0027	1.0447	2.3722	1.0837	-.4200
-.750	.7622	.8765	1.3855	.2538	-.1064
-.600	.7132	.7765	.2955	.3692	.3695
-.450	.6133	.5920	.1193	.1841	.1875
-.300	.5531	.5548	.0969	.2546	.1414
-.150	.5198	.8035	-.0836	.4202	.2709
.150	-.3758	-1.6134	-.8801	-1.7931	-1.2733
.300	-.4255	-1.1442	-.8181	-1.4433	-1.2388
.450	-.3787	-.6248	-1.0230	-1.1956	-1.1911
.600	-.3983	-.6409	-.7632	-.9504	-1.0488
.750	-.2754	-.5019	-1.5333	-.7019	-.0564
.900	-.0012	-.3039	-.2281	-.5000	-.8779

OA57 B16C3F1 J15 W87E18X9 WING UPPER SURFACE (WDT051) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.300
H/C =	.030	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 9.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0239	.6010	.7314	-1.7989	-.6931
-.750	.1699	.5189	-.2327	-.6810	-1.3184
-.600	.0678	-.2562	-.2634	-.4749	-.0313
-.450	.1756	-.2283	-.1672	-.4431	-1.0650
-.300	.1166	-.2286	-.2535	-.4912	.1336
-.150	.1339	-.2698	.0681	-.3538	.0814
.150	-.4772	-.4857	-1.1775	-1.5812	-.1671
.300	-.5362	-.3149	-.6339	-1.0923	-.0976
.450	-.3668	-.3101	-.4128	-.8088	.1365
.600	-.2916	-.2697	-.3709	-.7115	-.0463
.750	-.2523	-.7608	-.2884	-.4559	.1203
.900	-.1212	.0634	-.0887	-.3405	-.1475

MACH (1) = .165 ALPHA (2) = 14.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.1055	.3142	.6647	-1.9083	-.7544
-.750	.1412	.2357	-.2674	-1.0237	-1.1003
-.600	.0309	-.2656	-.3444	-.6813	-.0125
-.450	.1132	-.3556	-.3001	-.4900	-1.1267
-.300	.0455	-.3690	-.3398	-.5034	.0906
-.150	.0048	-.4043	-.0358	-.3673	.0198
.150	-.9170	-.4462	-1.1086	-1.9683	-.1583
.300	-.6046	-.2928	-.5699	-1.2636	-.0830
.450	-.3547	-.3762	-.4357	-1.0603	.1862
.600	-.2282	-.2531	-.3110	-.9207	.0228
.750	-.1694	-.8404	-.1987	-.7014	.2347
.900	-.0607	.1436	-.0269	-.9083	-.0942

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (MDT051)

MACH (1) = .165 ALPHA (3) = 19.981 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.0970	.1125	.3423	-1.1769	-.8127
-.750	.0934	.0544	-.3197	-.9087	-.7141
-.600	-.0004	-.2137	-.3419	-.4942	-.0121
-.450	.0623	-.3824	-.2404	-.4244	-.9052
-.300	.0112	-.4071	-.2643	-.4687	.0498
-.150	.0463	-.6029	-.3896	-.3386	-.0001
.150	-1.2418	-.4717	-1.3737	-.9143	-.0716
.300	-.7658	-.5026	-1.1385	-.8343	-.0414
.450	-.5139	-.6789	-.6325	-.8131	.2853
.600	-.2583	-.3654	-.5616	-.6384	.0851
.750	-.1708	-1.1085	-.3751	-.5189	.3786
.900	.0866	.1460	-.1965	-.4705	.0642

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT052) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 RTN/P = 1.000
H/C = .038 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 9.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8960
X/C					
-.900	-.2651	.6313	.5268	.4015	-.5105
-.750	.5159	.6545	.5272	.6210	-.3307
-.600	.6397	.6316	.5476	.3792	.1291
-.450	.5174	.5194	.4254	.3470	-.1131
-.300	.4571	.4900	.2115	.2829	-.1351
-.150	.3093	.5393	.1307	.5303	.0217
.150	-.1571	-.6014	-.6530	-1.3429	-1.8171
.300	-.3223	-.7161	-.4933	-.8241	-1.2611
.450	-.2382	-.5279	-.4795	-.5772	-.9805
.600	-.1454	-.3544	-.3448	-.4300	-.8068
.750	-.1267	-.3508	-.8767	-.3272	-.5151
.900	.0573	-.1931	.0058	-.1693	-.4917

MACH (1) = .165 ALPHA (2) = 14.971 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8960
X/C					
-.900	-.1108	.6514	.5215	.3646	-.5189
-.750	.6009	.6723	.5265	.5926	-.3492
-.600	.6662	.6631	.5491	.3681	.1087
-.450	.5680	.5520	.4453	.3747	-.0067
-.300	.5009	.5207	.2489	.2038	-.0458
-.150	.4494	.5713	.0811	.2386	.1031
.150	-.2555	-1.1630	-.7227	-1.3846	-2.5797
.300	-.3676	-.8768	-.5758	-.9565	-1.8151
.450	-.2982	-.6289	-.6340	-.7550	-1.6032
.600	-.2353	-.4352	-.4767	-.5749	-1.2963
.750	-.1675	-.3518	-1.0998	-.4479	-1.0316
.900	.0504	-.2325	-.0606	-.2653	-1.1325

0A37 B16CSP1 J15 W87E18X9 WING UPPER SURFACE (ND T052)

MACH (1) = .165 ALPHA (3) = 19.981 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.8630	.8760
X/C					
-.900	.1336	.8919	.7810	.3175	-.4546
-.750	.6483	.6794	.5062	.5523	-.2050
-.600	.7033	.6789	.5704	.3879	.1302
-.450	.5973	.5878	.4947	.4248	.0814
-.300	.5468	.5679	.2970	.3575	.1229
-.150	.5234	.6027	.0555	.1487	.2456
.150	-.3719	-1.6009	-.9022	-1.8142	-1.2798
.300	-.4146	-1.1829	-.8999	-1.5798	-1.2306
.450	-.3744	-.6421	-1.0523	-1.2252	-1.1683
.600	-.4303	-.6459	-.7653	-.9781	-1.0525
.750	-.3125	-.5519	-1.5490	-.7068	-.9746
.900	-.0009	-.3522	-.2456	-.5976	-.9204

OA57 B16C5F1 J15 W87L18X9 WING UPPER SURFACE (WD7053) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5960 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0408 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/B = .038 EDFLAP = -18.000
ELEVON = .000 AILRON = 15.000

MACH (1) = .165 ALPHA (1) = 10.001 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3296	.5378	.4977	.3540	-.4318
-.750	.1751	.5742	.4563	.1751	-.2068
-.600	.4093	.4777	.4180	.2026	.2508
-.450	.2959	.3579	.3577	.2430	.0366
-.300	.3156	.3680	.2073	.3025	-.0821
-.150	.3473	.4398	.1449	.6086	.1352
.150	-.1647	-.6628	-.6280	-1.2791	-1.7600
.300	-.3112	-.7081	-.5084	-.8345	-1.3301
.450	-.2438	-.5417	-.4603	-.5644	-.0744
.600	-.1379	-.3634	-.3544	-.4314	-.7825
.750	-.1200	-.3753	-.8384	-.3308	-.5282
.900	.0122	-.2247	-.0010	-.1794	-.5070

MACH (1) = .165 ALPHA (2) = 15.001 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.1504	.5971	.5190	.3337	-.4127
-.750	.3656	.6305	.4633	.1952	-.1819
-.600	.5176	.5461	.4724	.3403	.2544
-.450	.4189	.4268	.3838	.3709	.1213
-.300	.3973	.4299	.2249	.3980	.0372
-.150	.4066	.5028	.0466	.5438	.1828
.150	-.2475	-1.1935	-.7349	-1.4297	-2.5808
.300	-.3621	-.9149	-.6139	-.9654	-1.9025
.450	-.2007	-.6290	-.6179	-.7597	-1.6645
.600	-.2176	-.4081	-.4423	-.5699	-1.2794
.750	-.1656	-.3537	-1.0491	-.4474	-1.0335
.900	.0267	-.2582	-.0379	-.2640	-1.0191

OA97 B16C5P1 J15 WBPE10X9 WING UPPER SURFACE (NDTOS3)

MACH (1) = .165 ALPHA (3) = 19.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.6830	.8760
X/C					
-.900	.0991	.8502	.4941	.3341	-.3605
-.750	.4765	.6835	.4732	.2123	-.1073
-.600	.6008	.6014	.5111	.3698	.3058
-.450	.5082	.5081	.4297	.3143	.2116
-.300	.4698	.5175	.3908	.3777	.1277
-.150	.4662	.5622	.2312	.7008	.1916
.150	-.3400	-1.5776	-.7967	-1.7718	-1.3159
.300	-.3632	-1.1772	-.6531	-1.5621	-1.2112
.450	-.3449	-.6085	-1.0018	-1.2602	-1.2217
.600	-.3634	-.5697	-.7357	-.9935	-1.0928
.750	-.3056	-.4976	-1.4952	-.7820	-.9771
.900	-.0086	-.3498	-.1606	-.5913	-.9413

OA37 D16C5F1 J15 W8PE18X9 WING UPPER SURFACE (ND7054) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 RTN/P = 1.900
H/D = .038 DEFLAP = -10.000
ELEVON = .000 AILRON = 15.000

MACH (1) = .165 ALPHA (1) = 10.018 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.8630	.8960
X/C					
-.900	-1.1082	-.0497	3.3988	.7345	-.8822
-.750	.0813	.8387	2.0848	.2516	-.1915
-.600	.4491	.8939	.4569	.5987	.3833
-.450	.3902	.3169	.3704	.3278	.1032
-.300	.3262	.4303	.1788	.3479	.0846
-.150	.3212	.4703	.1028	.4456	.1021
.150	-.1753	-.6099	-.8561	-1.3647	-1.6812
.300	-.3184	-.8930	-.5208	-.8839	-1.3208
.450	-.2468	-.5232	-.4646	-.5833	-.9899
.600	-.1483	-.3783	-.3589	-.4535	-.7861
.750	-.1262	-.3941	-.8978	-.4046	-.5[illegible]6
.900	-.0134	-.2478	-.0402	-.1859	-.4060

MACH (1) = .165 ALPHA (2) = 14.988 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/B	.0000	.3340	.5200	.8630	.8960
X/C					
-.900	-.3558	.4704	3.2674	1.1713	-.7748
-.750	.3990	.8822	1.6463	.3096	-.1363
-.600	.9749	.7392	.3273	.4209	.4135
-.450	.4849	.5258	.2374	.1665	.1116
-.300	.4057	.4717	.0340	.2645	.0274
-.150	.3616	.5200	-.0243	.3843	.1884
.150	-.2463	-1.1079	-.6935	-1.3108	-1.9033
.300	-.3984	-.7920	-.4955	-.8447	-1.4748
.450	-.2837	-.5932	-.5567	-.6135	-1.2517
.600	-.1935	-.4007	-.4284	-.4627	-1.1035
.750	-.1358	-.3205	-1.0409	-.3979	-.9086
.900	.0208	-.2498	-.0388	-.2081	-1.2202

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WD T054)

MACH (1) = .165 ALPHA (3) = 20.011 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.6760
X/C					
-.900	.3338	.8882	2.6709	.8415	-.3833
-.750	.5199	.8765	1.4286	.3160	-.0531
-.600	6381	.7638	.3718	.4194	.4040
-.450	.5443	.5628	.2731	.2401	.2261
-.300	.4650	.5253	.1577	.3269	.1710
-.150	.4768	.5861	-.0370	.4796	.3129
.150	-.3508	-1.5492	-.8327	-1.7993	-1.3419
.300	-.4120	-1.1120	-.7695	-1.4089	-1.2648
.450	-.3370	-.7466	-.9801	-1.1865	-1.2421
.600	-.3375	-.5756	-.7053	-.9075	-1.0901
.750	-.2389	-.4878	-1.4694	-.7483	-.9596
.900	.0154	-.3088	-.1766	-.5555	-.9051

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT055) (08 NOV 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4060 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/C =	.038	BDFLAP =	-18.000
ELEVON =	.000	AILRON =	15.000

MACH (1) = .165 ALPHA (1) = 9.976 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2832	.5704	.5316	.3929	-.4225
-.750	.1958	.6203	.5510	.5182	-.2555
-.600	.4951	.5708	.5176	.3759	.1402
-.450	.3989	.4710	.4261	.3220	-.0502
-.300	.2979	.4402	.1913	.2420	-.0827
-.150	.3408	.4941	.1137	.5248	.0782
.150	-.1628	-.5857	-.6227	-1.2709	-1.7587
.300	-.3138	-.6981	-.5074	-.8179	-1.3229
.450	-.2393	-.5283	-.4919	-.5686	-.9620
.600	-.1402	-.3683	-.3487	-.4292	-.7688
.750	-.1240	-.3566	-.8971	-.3411	-.5035
.900	.0079	-.2221	-.0046	-.1668	-.4724

MACH (1) = .165 ALPHA (2) = 14.956 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0987	.6374	.5421	.3375	-.4655
-.750	.3788	.6670	.5364	.3136	-.3141
-.600	.5639	.6264	.5495	.4015	.1374
-.450	.4913	.5236	.4526	.3718	.0131
-.300	.3188	.4936	.2371	.2431	-.0095
-.150	.4125	.5444	.0680	.3145	.1308
.150	-.2435	-1.1107	-.6966	-1.3347	-2.7203
.300	-.3645	-.8580	-.5502	-.9098	-1.7622
.450	-.2816	-.5985	-.5000	-.7059	-1.4279
.600	-.2125	-.4123	-.4448	-.5272	-1.1861
.750	-.1529	-.3274	-1.0827	-.4372	-.9835
.900	.0269	-.2402	-.0459	-.2517	-1.0372

OA57 B16C5F1 J15 W87E10X9 WING UPPER SURFACE (NOTOSS)

MACH (1) = .165 ALPHA (3) = 19.951 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/A	.0000	.3340	.5200	.8630	.0760
X/C					
-.900	.1639	.6876	.5036	.3201	-.3940
-.750	.4832	.8920	.5345	.5024	-.1567
-.600	.6239	.8691	.5803	.4024	.1838
-.450	.5549	.5829	.5184	.4448	.1561
-.300	.3699	.3576	.3377	.4018	.1660
-.150	.4921	.6080	.0657	.2491	.2755
.150	-.3541	-1.5792	-.0692	-1.8103	-1.2175
.300	-.3918	-1.1335	-.8480	-1.5120	-1.1967
.450	-.3491	-.3112	-1.0066	-1.1676	-1.1589
.600	-.4130	-.8503	-.7288	-.0475	-1.0340
.750	-.2958	-.5422	-1.4962	-.7482	-.9469
.900	-.0094	-.3406	-.2362	-.5635	-.0185

OA57 B16C5F1 J15 W87E16X9 WING UPPER SURFACE (WDT056) (08 NOV 7[illegible])

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0408 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
R/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

MACH (1) = .165 ALPHA (1) = 10.031 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-1.4221	.2675	-.1340	-.1618	-.1373
-.750	.2192	.3763	.3084	.1394	-.4651
-.600	.4317	.5080	.2192	.0047	-.2907
-.450	.3048	.4098	.2269	.0833	-.0978
-.300	.3098	.3583	.1344	.1085	.0011
-.150	.4200	.4373	.0925	.3305	.1443
.150	-.1621	-.5865	-.6410	-1.2302	-1.3663
.300	-.2950	-.6284	-.4736	-.6854	-.9970
.450	-.2208	-.4098	-.3604	-.4217	-.5601
.600	-.1242	-.2273	-.2110	-.2559	-.3735
.750	-.1015	.0074	.0976	-.0916	-.2433
.900	.0391	.0134	.0849	-.0057	-.1515

MACH (1) = .165 ALPHA (2) = 15.008 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

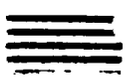
2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.7224	.5850	.0281	-.0897	-.4653
-.750	.5002	.6411	.5940	.1271	-.4594
-.600	.5651	.6124	.1110	.0793	-.2541
-.450	.4240	.4529	.1608	-.0270	-.0336
-.300	.3042	.4178	.0086	.1808	.0248
-.150	.4755	.4916	-.0435	.5617	.1768
.150	-.2337	-1.1140	-.6467	-1.1770	-1.6571
.300	-.3360	-.7991	-.4274	-.7483	-1.0904
.450	-.2612	-.4482	-.4025	-.5037	-.6451
.600	-.1037	-.2819	-.2662	-.3264	-.7338
.750	-.1281	.0470	.0850	-.1357	-.7121
.900	.0671	-.0129	.0279	-.0621	-.6753

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WD T056)

MACH (1) = .165 ALPHA (3) = 20.018 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.000	.1353	.7320	.1499	-.2158	-.5603
-.750	.6442	.7407	.6578	.1464	-.4054
-.600	.6537	.6061	.0835	-.0494	-.0960
-.450	.5198	.5087	.1178	-.1851	.1078
-.300	.4757	.4880	-.0234	.1213	.1411
-.150	.5475	.5614	-.1338	.6238	.2752
.150	-.3377	-1.4990	-.6739	-1.3076	-1.3004
.300	-.3754	-.0663	-.6144	-1.2616	-1.1872
.450	-.3257	-.6810	-.7680	-.9836	-1.1702
.600	-.3593	-.4891	-.4852	-.7040	-.9787
.750	-.2583	.0064	-.0869	-.3702	-.6693
.900	.0384	-.1064	-.1601	-.3779	-.7817



OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTOS7) (08 NOV 73) .

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS S
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/D = .038 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 10.016 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3908	.1278	.0756	-.1312	-.4397
-.750	.2761	.2415	.2189	.3120	-.4585
-.600	.4913	.4243	.2693	-.0003	-.2667
-.450	.3710	.3836	.2614	-.0275	-.1133
-.300	.3525	.3082	.1594	.1173	-.0675
-.150	.4483	.4650	.0934	.4661	.0961
.150	-.1617	-.6295	-.6357	-1.2076	-1.4956
.300	-.2983	-.6366	-.4433	-.7146	-1.0590
.450	-.2315	-.4471	-.3552	-.4448	-.4876
.600	-.1352	-.2550	-.1944	-.2598	-.3870
.750	-.1007	.0320	.1117	-.1136	-.4262
.900	.0420	-.0731	.0628	-.0800	-.2787

MACH (1) = .165 ALPHA (2) = 15.011 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0531	.3047	.1552	-.0648	-.4166
-.750	.4747	.4037	.2815	.3054	-.4607
-.600	.5814	.5220	.3567	.1516	-.2325
-.450	.4748	.4617	.3584	.2483	-.0231
-.300	.4107	.4624	.1647	.2231	.0449
-.150	.4984	.5208	.0255	.4988	.1778
.150	-.2374	-1.1519	-.6619	-1.2030	-1.0742
.300	-.3478	-.8454	-.4774	-.7640	-1.2780
.450	-.2667	-.4906	-.4753	-.5316	-1.1469
.600	-.2022	-.3263	-.2653	-.3403	-.5997
.750	-.1179	.0525	.0069	-.1868	-.9024
.900	.0600	-.1258	.0348	-.1317	-.7591

OA57 B16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD57)

MACH (1) = .165 ALPHA (3) = 20.016 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.1944	.3742	.1092	-.2302	-.5925
-.750	.5725	.4709	.2917	.2080	-.4417
-.600	.6451	.5898	.4134	.1322	-.1708
-.450	.5553	.5306	.4358	.2979	.1338
-.300	.4915	.5297	.2545	.3106	.1650
-.150	.5737	.5060	.0275	.2451	.2706
.150	-.3451	-1.5659	-.7972	-1.7285	-1.1062
.300	-.3765	-1.0803	-.7606	-1.4049	-1.0918
.450	-.3342	-.7150	-.0546	-1.0297	-1.0926
.600	-.3036	-.5441	-.5105	-.0031	-.8506
.750	-.2803	.0335	-.0948	-.4573	-.9138
.900	.0172	-.2444	-.7709	-.6435	-.7235

OA57 D16C3F1 J15 W87E18X9 WING UPPER SURFACE (WDT058) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/C = .030 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = 9.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3559	.1414	.0816	-.0657	-.3830
-.750	.2595	.2359	.2006	.3446	-.3054
-.600	.4324	.3524	.2248	.1080	-.1285
-.450	.2928	.3023	.2704	-.0460	-.0294
-.300	.2970	.3330	.1639	.1446	-.0095
-.150	.4296	.4229	.0623	.5233	.1342
.150	-.1623	-.6232	-.6016	-1.2030	-1.4085
.300	-.2958	-.6458	-.4566	-.7342	-1.0220
.450	-.2285	-.4443	-.3602	-.4504	-.6473
.600	-.1289	-.2629	-.2189	-.2737	-.4305
.750	-.0071	-.1342	-.1663	-.1066	-.2761
.900	.0479	.0070	.0856	-.0219	-.1873

MACH (1) = .165 ALPHA (2) = 15.001 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.0693	.2773	.1234	-.0849	-.3869
-.750	.4334	.3661	.2509	.3257	-.3405
-.600	.5347	.4410	.2987	.0608	-.0657
-.450	.4138	.3777	.3191	.2415	.0538
-.300	.3667	.4058	.1875	.3074	.0474
-.150	.4700	.4868	.0150	.5461	.1909
.150	-.2303	-1.1472	-.6781	-1.2306	-2.6155
.300	-.3383	-.6753	-.5162	-.7916	-1.4083
.450	-.2681	-.5047	-.4000	-.5611	-1.0568
.600	-.2039	-.3203	-.3177	-.3020	-.6491
.750	-.1442	-.1783	-.2451	-.2155	-.6157
.900	.0015	-.0600	.0153	-.1356	-.5445

OA57 D1EC5F1 J15 WR7E18X9 WING UPPER SURFACE (WDT058)

MACH (1) = .165 ALPHA (3) = 19.991 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	.1646	.3489	.1172	-.1686	-.4817
-.750	.5443	.4554	.2475	.3069	-.3280
-.600	.8109	.5242	.3281	.0894	-.0046
-.450	.4948	.4585	.3520	.2715	.1297
-.300	.4513	.4880	.3273	.3793	.1138
-.150	.5220	.5601	.1933	.7239	.2319
.150	-.3468	-1.5902	-.7149	-1.7766	-1.2445
.300	-.3755	-1.1210	-.7273	-1.5702	-1.1604
.450	-.3384	-.7256	-.6781	-1.1681	-1.1656
.600	-.4055	-.5350	-.5789	-.8199	-.9934
.750	-.3133	-.3011	-.4734	-.4058	-.9049
.900	.0070	-.1628	-.1137	-.4312	-.0003

OA57 D16C5F1 J15 WR7E18X9 WING UPPER SURFACE (WDTG39) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4080 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/D = .125 DOFLAP = -10.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -3.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3236	-.1623	-.1181	-.1183	-.2236
-.750	-.2036	-.2631	-.2185	.2423	-.4163
-.600	-.2746	-.2748	-.2551	-.2474	-.4252
-.450	-.6557	-.3931	-.3362	-.3538	-.3607
-.300	-.4103	-.6355	-.4363	-.2849	-.3356
-.150	-.0403	-.5807	-.7131	-.7242	-.3903
.150	-.0154	-.0999	-.2955	-.3276	-.1993
.300	-.1100	-.2163	-.2126	-.3797	-.2054
.450	-.0867	-.2263	-.2404	-.2732	-.3145
.600	-.0248	-.1672	-.1271	-.2187	-.1782
.750	-.0556	-.0739	-.0823	-.0194	-.0702
.900	.0530	.0362	.0911	.0436	.0271

MACH (1) = .165 ALPHA (2) = .008 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/D	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3385	-.1214	-.0811	-.0691	-.2181
-.750	-.2223	-.1981	-.1457	.2141	-.3547
-.600	-.1051	-.1493	-.1212	-.1376	-.3391
-.450	-.4165	-.1801	-.1196	-.1768	-.2038
-.300	-.2039	-.2914	-.2207	-.1006	-.1397
-.150	.0878	-.2033	-.3477	-.2407	-.1030
.150	-.0497	-.2196	-.4681	-.6477	-.5118
.300	-.1373	-.2088	-.3250	-.5263	-.4066
.450	-.1232	-.2777	-.2960	-.3444	-.3821
.600	-.0441	-.1865	-.1532	-.2299	-.2227
.750	-.0613	-.0794	-.0561	-.0503	-.0728
.900	.0246	.0321	.0649	.0405	.0321

0A57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT039)

MACH (1) = .165 ALPHA (3) = 4.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3402	-.0567	-.1437	.0273	-.1929
-.750	-.0804	-.0808	-.1882	.2078	-.2021
-.600	.0672	.0272	-.0405	.0032	-.2316
-.450	-.1515	.0152	.0548	.0790	-.0416
-.300	.0010	-.0081	-.0281	.1371	.0401
-.150	.2124	.1030	-.1541	.2055	.1466
.150	-.0947	-.3440	-.5939	-.0875	-.0551
.300	-.1910	-.5171	-.4170	-.6415	-.7378
.450	-.1620	-.3565	-.3361	-.3984	-.4774
.600	-.0015	-.2260	-.2061	-.2369	-.3320
.750	-.0054	-.1118	-.1307	-.0068	-.1446
.900	-.0006	.0375	-.0303	-.0006	-.0327

MACH (1) = .165 ALPHA (4) = 9.990 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3108	.0094	-.0697	.0571	-.2593
-.750	.0453	.0214	-.0617	.1925	-.2673
-.600	.2198	.1481	.0689	.1447	-.0076
-.450	.0362	.1441	.2029	.2453	.0658
-.300	.1347	.1542	.0052	.3011	.1277
-.150	.3065	.2574	-.0097	.500	.2525
.150	-.1544	-.6101	-.5760	-1.2783	-1.4206
.300	-.2687	-.6193	-.4706	-.7356	-.9880
.450	-.2115	-.4356	-.3614	-.4443	-.5926
.600	-.1141	-.2364	-.1960	-.2338	-.3541
.750	-.0727	-.1315	-.1459	-.0041	-.2121
.900	.0651	.0187	.0611	.0140	-.1167

MACH (1) = .165 ALPHA (5) = 14.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2627	.0662	-.0320	.0427	-.2659
.750	.1525	.1133	-.0358	.1762	-.2704
.600	.3190	.2282	.0584	.1647	.0150
-.450	.1695	.2375	.2110	.3446	.1278
.300	.2304	.2629	.2178	.4276	.1500

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTG59)

MACH (1) = .165 ALPHA (5) = 14.970

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3904	.3644	.0758	.6741	.2694
.150	-.2216	-1.1000	-.6741	-1.2727	-1.7380
.300	-.3201	-.8411	-.4878	-.7655	-1.1064
.450	-.2488	-.4069	-.4072	-.4805	-.9734
.600	-.1680	-.2918	-.2628	-.3072	-.7643
.750	-.1044	-.1661	-.2288	-.1395	-.6224
.900	.0713	-.0435	.0478	-.0656	-.6236

MACH (1) = .165 ALPHA (6) = 19.998 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2668	.0677	-.0762	.0013	-.4149
-.750	.2249	.1508	-.0221	.1545	-.2008
-.600	.3933	.2697	.0641	.2013	.0444
-.450	.2768	.3308	.2699	.4725	.1774
-.300	.3324	.3009	.2398	.5361	.2066
-.150	.4706	.4710	.3227	.7766	.3290
.150	-.3278	-1.5293	-.7457	-1.2500	-1.0853
.300	-.3434	-1.1087	-.6773	-1.2575	-1.0337
.450	-.3089	-.6646	-.8334	-1.1509	-1.0461
.600	-.3393	-.5237	-.5762	-.8034	-.9511
.750	-.2640	-.2972	-.4677	-.5516	-.8037
.900	.0185	-.1426	-.0626	-.4004	-.7057

DA57 D16C3F1 J15 WRTE10X9 WING UPPER SURFACE (WD TUBD) (08 NOV 73)

REFERENCE DATA

SREF = 4.412D SQ.FT. XMRP = 43.598D FUS ST
LREF = 15.235D IN. YMRP = .000D B.P.
LREF = 37.035D IN. ZMRP = -.405D W.P.
SCALE = .04D5 SCALE

PARAMETRIC DATA

ETA = .000 PINF = 1.900
M/L = .125 DELAP = -18.000
ELEVON = .000 ALPHA = .000

MACH (1) = .165 ALPHA (1) = 4.000 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4266	-.3670	-.2505	-.2912	-.2625
-.750	-.6735	-.6482	-.5777	.0816	-.4951
-.600	-.7129	-.7365	-.7071	-.4028	-.5221
-.450	-1.2729	-.9178	-.8352	-.6208	-.5141
-.300	-.7206	-1.2566	-1.0644	-.5124	-.5255
-.150	-.2411	-1.1472	-1.4172	-1.2103	-.6163
.150	-.0349	-.0044	-.2540	-.2695	-.1104
.300	-.1350	-.2109	-.1979	-.3515	-.2421
.450	-.0886	-.2264	-.2373	-.2598	-.3036
.600	-.0440	-.1666	-.1314	-.1938	-.1754
.750	-.0674	-.0627	-.0398	-.0059	-.0053
.900	.0306	.0263	.0072	.0466	.0056

MACH (1) = .165 ALPHA (2) = -.015 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5378	-.3244	-.2666	-.2371	-.2297
-.750	-.5121	-.4954	-.4963	.0216	-.4379
-.600	-.4228	-.4440	-.4915	-.3068	-.4039
-.450	-.7924	-.5270	-.4738	-.4081	-.3213
-.300	-.3389	-.6287	-.6020	-.2830	-.2160
-.150	-.0137	-.4722	-.8795	-.5658	-.2654
.150	-.0609	-.2064	-.4364	-.5799	-.4147
.300	-.1614	-.2788	-.3011	-.4962	-.4404
.450	-.1291	-.2744	-.2865	-.3257	-.3503
.600	-.0427	-.1949	-.1600	-.2299	-.2141
.750	-.0642	-.0664	-.0521	-.0412	-.0839
.900	.0051	.0427	.0095	.0557	.0229

OASP 016055F1 J15 WRPE18X9 WING UPPER SURFACE (WD TUBG)

MACH (1) = .165 ALPHA (3) = 4.975 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.5354	-.2088	-.3047	-.2329	-.2606
-.750	-.3102	-.2626	-.4186	-.0091	-.3674
-.600	-.1565	-.1650	-.2464	-.1024	-.2051
-.450	-.3780	-.1865	-.1852	-.1686	-.1318
-.300	-.0845	-.2070	-.2455	-.0317	-.0783
-.150	.1492	-.0852	-.4000	-.0214	.0307
.000	-.0993	-.3616	-.6001	-.9451	-.8609
.300	-.2139	-.4546	-.4149	-.6312	-.6603
.450	-.1645	-.3414	.3459	-.3984	-.4543
.600	-.0566	-.2185	-.1957	-.2372	-.3070
.750	-.0743	-.1000	-.1226	-.0733	-.1247
.900	.0025	.0463	-.0107	.0158	-.0053

MACH (1) = .165 ALPHA (4) = 9.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.4662	-.0487	-.2379	-.2307	-.2393
-.750	-.0915	-.0682	-.3326	-.0252	-.3052
-.600	.0738	.0542	-.1240	-.0725	-.1466
-.450	-.1080	.0478	.0381	.0251	.0121
-.300	.0960	.0806	-.0502	.1491	.1065
-.150	.2752	.1817	-.1623	.3475	.2226
.150	-.1474	-.5926	-.6110	-1.2099	-1.3017
.300	-.2548	-.5707	-.4691	-.6954	-.8049
.450	-.2099	-.4166	-.3593	-.4213	-.5358
.600	-.1032	-.2306	-.2092	-.2409	-.3516
.750	-.0730	-.1148	-.1261	-.0982	-.1705
.900	.0493	.0409	.0582	.0107	-.0655

MACH (1) = .165 ALPHA (5) = 15.[illegible] RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3150	.0671	-.4244	-.0870	-.3149
-.750	.0026	.0468	-.1575	-.0592	-.2673
-.600	.2091	.2044	-.0079	.0274	-.0509
-.450	.1173	.1846	.2074	.1978	.1232
-.300	.0229	.2072	.1257	.3015	.1717

0A57 S16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDTD6D)

MACH (1) = .165 ALPHA (5) = 15.030

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.3659	.3161	-.1273	.5507	.2961
.150	-.2280	-1.0356	-.7359	-1.2854	-1.0859
.300	-.3031	-.7860	-.4840	-.7671	-1.1073
.450	-.2456	-.1648	-.3676	-.4682	-.7160
.600	-.1504	-.2688	-.2264	-.2812	.5273
.750	-.0880	-.1318	-.1429	-.1016	-.4543
.900	.0768	-.0234	.0644	-.0282	-.4370

MACH (1) = .165 ALPHA (6) = 19.980 RNAL = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

Z/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3604	.1231	-.4827	-.2149	-.4367
-.750	.1774	.1941	-.1199	-.0886	-.2641
-.600	.3390	.3162	.0614	.0059	-.0008
-.450	.2130	.2028	.3208	.2627	.1985
-.300	.3114	.3034	.0525	.4030	.2235
-.150	.4454	.4156	-.0548	.6912	.3368
.150	-.3218	-1.4729	-.7850	-1.5884	-1.2824
.300	-.3737	-1.0177	-.6001	-1.2402	-1.1883
.450	-.3228	-.6371	-.6876	-1.0195	-1.2486
.600	-.1095	-.4657	-.5129	-.6873	-1.0051
.750	-.2180	-.2476	-.3657	-.3804	-.0578
.900	.0276	-.1183	-.0045	-.3249	-.0608

OA57 D16C5F1 J15 WRTE18X9 WING UPPER SURFACE (WDTD61) (08 NOV 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/D = .125 SDFLAP = -10.000
ELEVON = .000 AILRON = .000

MACH (1) = .165 ALPHA (1) = -4.005 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3704	-.1916	-.1388	-.1144	-.2351
-.750	-.3265	-.2828	-.2479	.0145	-.4281
-.600	-.2490	-.3028	-.2826	-.2611	-.4405
-.450	-.6179	-.3635	-.2985	-.3619	-.3518
-.300	-.3772	-.5756	-.4167	-.2800	-.3346
-.150	-.0329	-.5255	-.6653	-.6654	-.3855
.150	-.0088	-.1001	-.3082	-.3401	-.1902
.300	-.1154	-.2071	-.1967	-.3647	-.2408
.450	-.0898	-.2267	-.2300	-.2327	-.2455
.600	-.0230	-.1600	-.1349	-.1288	-.1926
.750	-.0526	-.0607	-.0113	-.4253	-.2073
.900	.0431	.0210	.0733	-.0804	-.0882

MACH (1) = .165 ALPHA (2) = -.020 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/B	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3871	-.1300	-.0858	-.0496	-.2586
-.750	-.2545	-.2226	-.1823	-.0013	-.3702
-.600	-.1219	-.1622	-.1500	-.1541	-.3507
-.450	-.3717	-.1738	-.1235	-.1906	-.2007
-.300	-.1738	-.2545	-.1673	-.1034	-.1537
-.150	.0052	-.1739	-.3147	-.2074	-.1066
.150	-.0460	-.2233	-.4643	-.6404	-.4028
.300	-.1430	-.2560	-.3200	-.5072	-.4273
.450	-.1222	-.2755	-.2653	-.3002	-.3002
.600	-.0429	-.1910	-.1533	-.1309	-.1787
.750	-.0612	-.0542	-.0616	-.5101	-.2545
.900	.0233	.0276	.0458	-.1277	-.1064

OA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT061)

MACH (1) = .165 ALPHA (3) = 4.970 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3942	-.0587	-.1086	-.0627	-.2428
-.750	-.1148	-.1068	-.1746	-.0067	-.3262
-.600	.0333	.0013	-.0643	-.0385	-.2422
-.450	-.0067	.0305	.0626	.0230	-.0435
-.300	.0296	.0363	.0263	.1120	.0428
-.150	.2233	.1277	-.0895	.2266	.1417
.150	-.1003	-.4071	-.5943	-.0735	-.0352
.300	-.2006	-.5324	-.4330	-.6357	-.6741
.450	-.1659	-.3673	-.3412	-.3604	-.3962
.600	-.0766	-.2144	-.1963	-.1750	-.2362
.750	-.0693	-.1075	-.1401	-.4107	-.3066
.900	.0102	.0457	-.0346	-.1067	-.1451

MACH (1) = .165 ALPHA (4) = 9.965 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3548	.0083	-.0273	-.0470	-.2913
-.750	.0361	.0242	-.0669	.0163	-.2879
-.600	.2035	.1306	.0519	.0241	-.1099
-.450	.0772	.1651	.1879	.1780	.0510
-.300	.1651	.1948	.1361	.2560	.1262
-.150	.3228	.2031	-.0011	.4739	.2565
.150	-.1532	-.6324	-.6208	-1.2508	-1.3680
.300	-.2731	-.6234	-.4851	-.7225	-.8557
.450	-.2151	-.4336	-.3623	-.4210	-.4095
.600	-.1187	-.2469	-.2110	-.2035	-.4329
.750	-.0000	-.1323	-.1330	-.4325	-.4640
.900	.0514	.0103	.0477	-.0817	-.2730

MACH (1) = .165 ALPHA (5) = 14.955 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/C	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.3073	.0691	.0140	-.0450	-.3237
-.750	.1446	.1171	.0101	.0140	-.2526
-.600	.3028	.2427	.1596	.0651	-.0057
-.450	.2154	.2716	.3047	.2662	.1460
-.300	.2600	.3026	.1594	.3694	.1587

GA57 D16C5F1 J15 W87E18X9 WING UPPER SURFACE (WDT061)

MACH (1) = .165 ALPHA (5) = 14.055

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.150	.4662	.3807	.0485	.6494	.2849
.150	-.2205	-1.1289	-.6801	-1.2335	-1.6920
.300	-.3332	-.8541	-.4050	-.7624	-1.1731
.450	-.2550	-.4788	-.4154	-.4062	-.0723
.600	-.1903	-.3010	-.2725	-.3122	-.7567
.750	-.1123	-.1716	-.1081	-.2006	-.7031
.900	.0614	-.0553	.0303	-.0836	-.6765

MACH (1) = .165 ALPHA (6) = 19.065 RN/L = 1.200 MACH = .165

SECTION (1)WING DEPENDENT VARIABLE CP

2Y/S	.0000	.3340	.5200	.6630	.8760
X/C					
-.900	-.2849	.0905	-.0429	-.2067	-.4170
-.750	.2316	.1809	.0198	.0000	-.2461
-.600	.3962	.3263	.2003	.0747	.0705
-.450	.3257	.3774	.3355	.2449	.2253
-.300	.3511	.4162	.3549	.4163	.2517
-.150	.4819	.4037	.2835	.7599	.3634
.150	-.3383	-1.5778	-.7502	-1.5666	-1.1277
.300	-.3655	-1.1251	-.6804	-1.3778	-1.0570
.450	-.3086	-.6567	-.8235	-1.0770	-1.0598
.600	-.3450	-.5214	-.5466	-.7856	-.9141
.750	-.2554	-.2885	-.4070	-.5363	-.9446
.900	.0271	-.1503	-.1048	-.3757	-.8373

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT001) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

ALPHA =	10.000	BETA =	.000
H/D =	.038	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000
MACH =	.160		

RUN NO. 1 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

ALPHA	PTN/P	CADC	CAD1	CHME	CNE	CN	CLM
9.900	.999	.00599	.01513	-.02000	.00300	.49400	-.11500
9.900	1.047	.00625	.01559	-.01400	.00200	.50200	-.11300
9.900	1.142	.00609	.01576	-.01500	.00200	.50600	-.11500
9.900	1.348	.00623	.01567	-.01100	.00100	.48900	-.09900
9.900	1.613	.00143	-.00443	.00100	.00000	.51900	-.06600
9.900	2.408	.00675	.01936	.03500	-.00500	.47600	-.11600
	GRADIENT	-.00018	.00007	.03751	-.00538	-.01210	.00437

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT002) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/D =	.038	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 2 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	9.900	.00606	.01556	-.01700	.00200	.51100	-.12300
.165	14.900	.00593	.01638	-.08600	.01300	.71600	-.20900
.165	19.900	.00767	.01961	-.19200	.02900	1.04800	-.29600
	GRADIENT	.00016	.00040	-.01750	.00270	.05370	-.01730

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT003) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.500
H/B = .038 ODFLAP = -10.000
ELEVON = .000 AILRON = .000

RUN NO. 3 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	9.900	.00694	.01644	-.00200	.00000	.49300	-.11100
.165	14.900	.00564	.01593	-.00600	.01400	.75600	-.20200
.165	20.000	.00713	.01905	-.02800	.03100	.97300	-.28900
	GRADIENT	.00002	.00026	-.02040	.00307	.04751	-.01762

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT004) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/B = .038 ODFLAP = -10.000
ELEVON = .000 AILRON = .000

RUN NO. 4 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	10.000	.00675	.01902	.01400	-.00200	.47400	-.11400
.165	15.000	.00584	.01734	-.10100	.01500	.80200	-.24900
.165	20.000	.01607	.01922	-.22100	.03300	.97400	-.33300
	GRADIENT	.00093	.00002	-.02350	.00350	.05000	-.02190

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1005) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9330 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.125	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 5 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-3.900	.00670	.01378	.07400	-.01100	-.43000	.11500
.165	.000	.00620	.01506	.06100	-.00900	-.14500	.04200
.165	4.900	.00509	.01388	.03900	-.00800	.13000	-.02700
.165	10.000	.00575	.01438	-.00100	.00000	.37700	-.09300
.165	14.900	.00581	.01451	-.05300	.00800	.61300	-.16300
.165	20.000	.00777	.01813	-.13100	.02000	.84300	-.23400
	GRADIENT	.00020	.00038	-.01302	.00200	.04659	-.01410

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1006) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9330 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.125	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 6 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-4.000	.00675	.01711	.06200	-.00900	-.47800	.12100
.165	.000	.00632	.01558	.04600	-.00700	-.16600	.04500
.165	4.900	.00583	.01435	.03200	-.00400	.10600	-.02200
.165	9.900	.00594	.01486	-.00900	.00100	.34600	-.08900
.165	14.900	.00595	.01550	-.06100	.00900	.57000	-.15400
.165	19.900	.00801	.02045	-.13900	.02100	.79000	-.22000
	GRADIENT	.00021	.00056	-.01300	.00200	.04440	-.01310

OA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (PD10007) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.500
H/C =	.125	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 7/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00677	.01830	.13500	-.02000	-.72800	.21900
.165	.000	.00647	.01748	.11700	-.01700	-.34500	.11800
.165	4.900	.00623	.01638	.08700	-.01500	-.01300	.03300
.165	9.900	.00570	.01514	.03500	-.00500	.26200	-.04500
.165	14.900	.00550	.01488	-.02000	.00300	.54400	-.12600
.165	19.300	.00665	.01839	-.10000	.01500	.79400	-.20300
	GRADIENT	.00009	.00033	-.01350	.00200	.05320	-.01580

OA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (PD10008) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/C =	.125	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 8/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00878	.02161	.14800	-.02200	-.92100	.27000
.165	.000	.00736	.02001	.12300	-.01800	-.46100	.15200
.165	5.000	.00655	.01741	.09200	-.01400	-.07100	.04900
.165	9.900	.00600	.01554	.04000	-.00600	.23600	-.03500
.165	15.000	.00534	.01467	-.01600	.00200	.51100	-.11600
.165	19.900	.00670	.01863	-.08900	.01300	.74900	-.19700
	GRADIENT	.00007	.00031	-.01289	.00190	.05132	-.01620

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1009) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/C =	.286	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 9/ D RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00551	.01521	.08400	-.00900	-.26900	.07200
.165	.000	.00612	.01459	.05500	-.00800	-.08700	.02800
.165	4.900	.00544	.01426	.04000	-.00800	.09900	-.02100
.165	9.900	.00570	.01437	.00600	.00000	.30900	-.07100
.165	14.900	.00577	.01530	-.03700	.00500	.50100	-.12400
.165	19.900	.00732	.01976	-.10600	.01600	.70000	-.18400
	GRADIENT	.00016	.00054	-.01120	.00160	.03910	-.01130

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1010) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.300
H/C =	.286	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 10/ D RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00540	.01402	.09700	-.01400	-.35100	.10400
.165	.000	.00548	.01454	.08500	-.01200	-.16400	.05700
.165	4.900	.00519	.01416	.06600	-.01000	.04200	.00300
.165	9.900	.00524	.01399	.02900	-.00400	.25800	-.04700
.165	14.900	.00595	.01559	-.01600	.00200	.47100	-.10200
.165	19.900	.00691	.01917	-.08600	.01300	.67400	-.16800
	GRADIENT	.00017	.00052	-.01150	.00170	.04160	-.01210

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT011) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	.000
H/C =	.286	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 11/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.0048G	.01262	.05300	-.00800	-.25700	.06200
.165	.000	.00461	.01215	.04000	-.00600	-.07500	.01300
.165	4.900	.00455	.01225	.02900	-.00400	.11400	-.03400
.165	9.900	.00494	.01240	-.00200	.00000	.30900	-.08200
.165	14.900	.00578	.01446	-.04700	.00700	.51600	-.13500
.165	19.900	.00706	.02090	-.10700	.01600	.68500	-.19400
	GRADIENT	.00029	.00085	-.01050	.00160	.03760	-.01120

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT012) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/C =	.286	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 12/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00550	.01485	.11200	-.01700	-.41100	.12700
.165	.000	.00550	.01434	.09900	-.01500	-.22100	.07700
.165	4.900	.00529	.01385	.07900	-.01200	-.00600	.02300
.165	9.900	.00502	.01337	.04500	-.00800	.20500	-.02900
.165	14.900	.00540	.01446	.00000	.00000	.41200	-.06400
.165	19.900	.00714	.01943	-.05400	.00800	.63000	-.15300
	GRADIENT	.00021	.00061	-.00990	.00140	.04250	-.01240

GA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1013) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/D =	.288	DDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 13/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00752	.01882	-.08700	.01000	.00900	-.03600
.165	.000	.00743	.01885	-.08000	.01400	.17200	-.10200
.165	4.900	.00690	.01728	-.10300	.01500	.37200	-.14900
.165	9.900	.00688	.01747	-.13700	.02000	.56300	-.19700
.165	14.900	.00702	.01868	-.19200	.02900	.75200	-.25100
.165	19.900	.00997	.02681	-.25000	.03800	.88600	-.28900
	GRADIENT	.00031	.00093	-.01130	.00180	.03230	-.00920

GA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1014) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.300
H/D =	.288	DDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 14/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00742	.01855	-.09300	.01400	-.03300	-.05200
.165	.000	.00710	.01768	-.11200	.01700	.15200	-.09700
.165	4.900	.00689	.01700	-.13900	.02100	.36800	-.15200
.165	9.900	.00659	.01703	-.17300	.02600	.55600	-.20000
.165	14.900	.00690	.01801	-.23400	.03500	.77000	-.26100
.165	19.900	.00905	.02473	-.29600	.04500	.93600	-.31400
	GRADIENT	.00025	.00077	-.01230	.00190	.03780	-.01140

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1015) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	.000
H/D =	.286	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 15 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-3.900	.00761	.01914	-.07600	.01100	-.01200	-.05800
.165	.000	.00704	.01787	-.08900	.01200	.15000	-.10100
.165	4.900	.00688	.01715	-.10700	.01600	.35100	-.15100
.165	9.900	.00677	.01752	-.14100	.02100	.54500	-.20200
.165	14.900	.00700	.01843	-.19300	.02900	.74200	-.25600
.165	19.900	.00992	.02706	-.24900	.03800	.65800	-.29100
	GRADIENT	.00031	.00095	-.01080	.00170	.03130	-.00690

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PD1016) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/D =	.286	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 16 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-4.000	.00734	.01845	-.09300	.01400	-.03000	-.07400
.165	.000	.00716	.01760	-.11400	.01700	.16100	-.12000
.165	4.900	.00660	.01630	-.13800	.02100	.37800	-.17500
.165	9.900	.00662	.01682	-.17100	.02600	.57600	-.22200
.165	14.900	.00645	.01643	-.23000	.03500	.79300	-.28300
.165	19.900	.00780	.02070	-.30300	.04600	.98000	-.33700
	GRADIENT	.00012	.00039	-.01320	.00200	.04040	-.01150

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT017) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9550 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/B = .125 DDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 17/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00757	.01984	-.06400	.00900	-.08400	-.05500
.165	.000	.00714	.01801	-.07800	.01200	.17800	-.11400
.165	4.900	.00703	.01775	-.10800	.01600	.42200	-.17100
.165	9.900	.00664	.01749	-.15500	.02300	.62000	-.22800
.165	14.900	.00737	.01985	-.20500	.03100	.85600	-.29600
.165	19.900	.00985	.02620	-.27500	.04100	.95900	-.32000
	GRADIENT	.00030	.00087	-.01200	.00160	.03390	-.01010

OA57 L.6C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (PDT018) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9550 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/B = .125 DDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 18/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00841	.02124	-.07000	.01000	-.04900	-.06000
.165	.000	.00792	.01965	-.08700	.01300	.20900	-.12500
.165	4.900	.00721	.01829	-.11300	.01700	.46200	-.18200
.165	9.900	.00666	.01796	-.16200	.02400	.66000	-.23900
.165	14.900	.00744	.01993	-.21000	.03200	.87600	-.30600
.165	19.900	.00937	.02560	-.29500	.04400	1.01900	-.34600
	GRADIENT	.00027	.00078	-.01350	.00200	.03500	-.01080

OA57 B16C3F1 .84 W97E10X5 INTEG CPS, HM, BASE (PD1019) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTNP =	1.900
H/C =	.125	DDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 19/ 0 RNAL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00857	.02196	-.09700	.01400	-.25200	-.00700
.165	.000	.00846	.02136	-.14600	.02200	.10100	-.09700
.165	4.900	.00751	.01686	-.18000	.02700	.42000	-.18200
.165	9.900	.00623	.01644	-.22700	.03400	.65700	-.24400
.165	14.900	.00662	.01720	-.28200	.04300	.89300	-.31400
.165	20.000	.00799	.02084	-.36700	.05500	1.10100	-.37700
	GRADIENT	.00017	.00044	-.01387	.00268	.04395	-.01317

OA57 B16C3F1 .84 W97E10X5 INTEG CPS, HM, BASE (PD1020) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTNP =	1.900
H/C =	.125	DDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO 20 / 0 RNAL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00379	.01048	-.08500	.01800	-.29800	.04100
.165	.000	.00324	.00888	-.09900	.01500	.03400	-.03000
.165	4.900	.00284	.00740	-.13400	.02000	.32400	-.09300
.165	9.900	.00242	.00854	-.17300	.02600	.52000	-.13800
.165	14.900	.00204	.00585	-.23600	.03600	.70500	-.17900
.165	19.900	.00280	.00697	-.32300	.04900	.88700	-.21800
	GRADIENT	.00004	.00004	-.01480	.00230	.03670	-.00780

OA57 B16C5F1 J24 W87E16X9 INTEG CPS, HM, CASE (PDT021) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 21 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.01068	.02688	-.17500	.02600	.68200	-.18400
.165	14.900	.01094	.03026	-.21600	.03200	.80700	-.20400
.165	19.900	.01179	.03216	-.29400	.04400	.92900	-.22700
	GRADIENT	.00011	.00033	-.01190	.00180	.02470	-.00430

OA57 B16C5F1 J24 W87E16X9 INTEG CPS, HM, CASE (PDT022) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 22 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.01091	.02971	-.18500	.02800	.71500	-.19100
.165	14.900	.01103	.03078	-.23600	.03600	.83500	-.21300
.165	19.900	.01164	.03210	-.32900	.05000	.99100	-.24600
	GRADIENT	.00007	.00024	-.01440	.00220	.02720	-.00550

OA57 B16C5F1 J24 W87E16X9 INTEG CPS, HM, CASE (PDT023) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5900 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/C =	.038	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 23 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00272	.00709	-.47200	.07200	.79000	-.23800
.165	14.900	.00291	.00759	-.47400	.07200	.88900	-.24800
.165	19.900	.00361	.00995	-.50700	.07700	.94300	-.23300
	GRADIENT	.00009	.00029	-.00350	.00050	.01530	.00050

0A57 B16C5F1 J24 W07E18X9 INTEG CPS, HM, BASE (PDT024) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .038 DDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 24 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00305	.00789	-.62900	.00500	.00200	-.31200
.165	14.900	.00334	.00879	-.60400	.00200	1.04900	-.34700
.165	19.900	.00370	.00992	-.55100	.00400	1.1[illegible]00	-.34800
	GRADIENT	.00006	.00020	.00780	-.00110	.02460	-.00360

0A57 B16C5F1 J24 W07E18X9 INTEG CPS, HM, BASE (PDT025) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .038 DDFLAP = -10.000
ELEVON = -15.000 AILRON = .000

RUN NO. 25 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00296	.00794	.14600	-.02200	.27900	-.01300
.165	14.900	.00291	.00810	.11700	-.01700	.48600	-.06800
.165	20.000	.00367	.00932	.05600	-.00800	.68100	-.12500
	GRADIENT	.00007	.00014	-.00892	.00139	.03900	-.01109

0A57 B16C5F1 J24 W07E18X9 INTEG CPS, HM, BASE (PDT028) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.500
H/C = .038 DDFLAP = -16.000
ELEVON = -15.000 AILRON = .000

RUN NO. 26 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00349	.00988	.19900	-.03000	.18300	.01600
.165	14.900	.00320	.00890	.15100	-.02300	.40500	-.04100
.165	19.900	.00359	.00947	.08300	-.01200	.61000	-.10600
	GRADIENT	.00001	-.00002	-.01160	.00190	.04350	-.01260

OA57 B16C5F1 .24 W07E18X9 INTEG CPS, HM, BASE (PDT027) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/C = .038 DOFLAP = -18.000
ELEVON = -15.000 AILRON = .000

RUN NO. 27 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00376	.01054	.20100	-.03000	.20600	-.00800
.165	14.900	.00349	.00988	.15100	-.02300	.55000	-.12800
.165	19.900	.00378	.01005	.08400	-.01200	.73900	-.17200
	GRADIENT	.00001	-.00005	-.01170	.00180	.05330	-.01640

OA57 B16C5F1 .24 W07E18X9 INTEG CPS, HM, BASE (PDT028) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/C = .038 DOFLAP = -18.000
ELEVON = -15.000 AILRON = .000

RUN NO. 28 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00268	.00718	.12500	-.01900	.26300	-.01200
.165	14.900	.00258	.00721	.09800	-.01400	.46400	-.06800
.165	19.900	.00311	.00677	.03200	-.00400	.65600	-.12000
	GRADIENT	.00004	.00016	-.00930	.00150	.03930	-.01000

OA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM BASE (PDT029) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.125	DDFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

RUN NO. 29/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00233	.00854	.21000	-.03100	-.[illegible]100	.14000
.165	.000	.00229	.00587	.18200	-.02700	-.22600	.08800
.165	4.900	.00200	.00566	.15400	-.02300	.00100	.04100
.165	9.900	.00218	.00609	.13100	-.02000	.18000	.00400
.165	14.900	.00245	.00600	.11100	-.01600	.36200	-.03700
.165	19.900	.00317	.00824	.06700	-.01000	.54700	-.08100
	GRADIENT	.00010	.00021	-.00640	.00100	.03670	-.00850

OA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (PDT030) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/C =	.125	DDFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

RUN NO. 30/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00354	.00944	.26800	-.04000	-.73500	.20700
.165	.000	.00283	.00765	.23600	-.03600	-.40700	.14600
.165	4.900	.00267	.00719	.20300	-.03000	-.13900	.08600
.165	9.900	.00296	.00716	.16800	-.02500	.06800	.04300
.165	14.900	.00287	.00657	.14300	-.02100	.27800	-.00200
.165	19.900	.00270	.00698	.10000	-.01500	.[illegible]00	-.05100
	GRADIENT	-.00003	-.00002	-.00680	.00100	.04130	-.00940

OA57 D16C5F1 J24 W87E18X0 INTEG CPS, HM, BASE (PD T031) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/D =	.125	DDFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

RUN NO. 31 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-3.900	.00117	.00466	.16600	-.02500	-.51900	.13800
.165	.000	.00079	.00419	.13800	-.02100	-.24600	.07700
.165	4.900	.00043	.00398	.11000	-.01700	-.00700	.02000
.165	9.900	.00027	.00425	.10000	-.01500	.17200	-.00900
.165	14.900	.00052	.00490	.08400	-.01200	.36500	-.03000
.165	19.900	.00212	.00859	.03900	-.00600	.55100	-.00600
	GRADIENT	.00018	.00043	-.00610	.00000	.03700	-.00870

OA57 D16C5F1 J24 W87E18X0 INTEG CPS, HM, BASE (PD T032) (17 OCT 73)

REFERENCE DATA

SREF =	1.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/D =	.125	DDFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

RUN NO. 32 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-4.000	.00315	.01233	.27200	-.04100	-.82000	.21200
.165	.000	.00318	.01054	.24300	-.03700	-.43800	.13900
.165	4.900	-.00121	.00558	.21600	-.03300	-.17000	.08200
.165	9.900	.00214	.00853	.18600	-.02800	.08700	.02600
.165	14.900	.00231	.00597	.15800	-.02400	.30500	-.01700
.165	19.900	.00245	.00662	.11500	-.01700	.52000	-.07500
	GRADIENT	.00003	.00001	-.00710	.00110	.04410	-.01010

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PD1033) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/B =	.266	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 33 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00253	.01175	.06100	-.00900	-.25800	.05300
.165	.000	.00222	.01110	.05200	-.00700	-.09900	.02000
.165	4.900	.00247	.01110	.03900	-.00600	.07400	-.02100
.165	9.900	.00291	.01216	.01100	-.00100	.24000	-.03500
.165	15.000	.00450	.01379	-.02100	.00300	.42700	-.11300
.165	19.900	.00669	.01841	-.08100	.01200	.63000	-.17600
	GRADIENT	.00038	.00062	-.00918	.00130	.03898	-.01109

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PD1034) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/B =	.266	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 34 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00601	.01141	.11400	-.01700	-.31900	.08500
.165	.000	.00679	.01169	.10000	-.01500	-.18000	.06500
.165	4.900	.00697	.01204	.08100	-.01200	.02500	.01400
.165	9.900	.00630	.00933	.05000	-.00800	.21000	-.04100
.165	14.900	.00695	.01150	.02000	-.00400	.42700	-.10300
.165	19.900	.00829	.01547	-.03500	.00500	.60600	-.16600
	GRADIENT	.00029	.00061	-.00930	.00130	.03870	-.01270

OA57 B16C5F1 .15 W8PE18X9 INTEG CPS, HM, BASE (PD1035) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.300
H/B =	.286	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 35 / 0 RN/L = 1.20 GRADIENT INTERVAL = 6.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00460	.00975	.04400	-.00800	-.27400	.07300
.165	.000	.00452	.00998	.02700	-.00400	-.11500	.03700
.165	4.900	.00375	.00911	-.03900	.00500	.05300	-.00100
.165	9.900	.00381	.00966	-.08800	-.00100	.21900	-.04100
.165	14.900	.00466	.01161	-.26800	.04000	.40100	-.08600
.165	19.900	.00606	.01440	-.52600	.08000	.62400	-.16100
	GRADIENT	.00023	.00047	-.05340	.00810	.04050	-.01200

OA57 B16C5F1 .15 W8PE18X9 INTEG CPS, HM, BASE (PD1036) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	.000
H/B =	.286	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 36 / 0 RN/L = 1.20 GRADIENT INTERVAL = 6.00/ 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00219	.00933	-.20500	.03100	-.22400	.03600
.165	.000	.00219	.00884	-.07800	.01100	-.07800	.00200
.165	4.900	.00222	.00883	-.06600	.01000	.08400	-.03300
.165	9.900	.00249	.00925	-.22400	.03400	.24600	-.07400
.165	14.900	.00309	.01097	-.43100	.06500	.41100	-.11400
.165	19.900	.00490	.01736	-.49500	.07500	.59700	-.17200
	GRADIENT	.00024	.00081	-.02710	.00410	.03510	-.00980

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PD1037) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/B =	.266	DOFLAP =	-18.000
ELEVON =	5.000	AILRON =	.000

RUN NO. 37/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-4.000	.00557	.01258	.27800	-.04200	-.22800	.04000
.165	.000	.00656	.01383	.28500	-.04300	-.05100	-.00300
.165	4.900	.00597	.01290	.16500	-.02500	.13200	-.05000
.165	9.900	.00573	.01323	.13700	-.02000	.30500	-.09200
.165	14.900	.00578	.01425	.17800	-.02700	.49300	-.14100
.165	19.900	.00786	.01979	.46400	-.07000	.71700	-.22500
	GRADIENT	.00021	.00066	.03270	-.00500	.04120	-.01330

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PD1038) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/B =	.266	DOFLAP =	-18.000
ELEVON =	5.000	AILRON =	.000

RUN NO. 38/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-4.000	.00565	.01335	.54900	-.08300	-.18800	.03100
.165	.000	.00541	.01224	.45200	-.06800	-.01300	-.00800
.165	4.900	.00478	.01184	.44600	-.06700	.15900	-.04900
.165	9.900	.00488	.01287	.38200	-.05600	.33300	-.09500
.165	14.900	.00566	.01466	.30100	-.04500	.51500	-.14600
	GRADIENT	.00018	.00036	-.01620	.00260	.03640	-.01020

OA57 B16C3F1 J15 W87E18X9 INTEG CPS, HM, BASE (PDT039) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/B = .286 DOFLAP = -10.000
ELEVON = 5.000 AILRON = .000

RUN NO. 39 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00313	.01419	.14900	-.02200	-.16500	.00700
.165	.000	.00258	.01315	.07900	-.01200	-.01900	-.02900
.165	4.900	.00230	.01291	.02100	-.00300	.10500	-.07000
.165	9.900	.00239	.01306	.00500	.00000	.32300	-.11100
.165	14.900	.00384	.01459	.02500	-.00300	.50000	-.15900
.165	19.900	.02641	.01851	.08800	-.01300	.85200	-.25900
	GRADIENT	.00240	.00054	.00830	-.00130	.05250	-.01480

OA57 B16C3F1 J15 W87E18X9 INTEG CPS, HM, CASE (PDT040) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/B = .286 DOFLAP = -10.000
ELEVON = 5.000 AILRON = .000

RUN NO. 40 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00539	.01422	.03400	-.00500	-.14000	.01200
.165	.000	.00491	.01316	-.03800	.00500	.01400	-.02300
.165	4.900	.00461	.01337	-.03900	.00600	.17600	-.06100
.165	9.900	.00450	.01371	-.01700	.00200	.34200	-.10200
.165	14.900	.00579	.01542	-.01300	.00200	.51600	-.15000
.165	19.900	.00711	.01990	-.00100	.00000	.70000	-.20900
	GRADIENT	.00026	.00082	.00160	-.00020	.03580	-.01070

OA57 B16C5F1 J15 W07E18X9 INTEG CPS, HM, BASE (PO1041) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/C = .286 DDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 41/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CASC	CA01	CHME	CNE	CN	CLM
.165	-4.000	.00656	.01654	-.04200	.00800	.01500	-.06500
.165	.000	.00602	.01530	-.05400	.00800	.17500	-.10700
.165	4.900	.00567	.01455	-.05900	.00900	.36100	-.15200
.165	9.900	.00607	.01552	-.06600	.01000	.53000	-.20200
.165	14.900	.00800	.01678	-.07200	.01100	.72700	-.25000
.165	19.900	.00940	.02329	-.02100	.00300	.01900	-.20900
	GRADIENT	.00033	.00078	.00450	-.00070	.02690	-.00870

OA57 D16C5F1 J15 W07E18X9 INTEG CPS HM, BASE (PO1042) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .286 DDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 42/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CASC	CA01	CHME	CNE	CN	CLM
.165	-3.900	.00612	.01565	.20100	-.03000	-.00100	-.07900
.165	.000	.00662	.01570	.17000	-.02500	.18500	-.12400
.165	4.900	.00659	.01487	.07400	-.01100	.38300	-.16800
.165	9.900	.00700	.01551	.02200	-.00300	.58700	-.21800
.165	14.900	.00854	.01625	-.02700	.00400	.77300	-.27500
.165	19.900	.01019	.02175	-.10400	.01500	.96200	-.33300
	GRADIENT	.00032	.00062	-.01260	.00180	.03950	-.01150

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PDT043) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.300
H/D = .206 DDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 43 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-3.900	.00747	.01566	.03100	-.00400	.00100	-.06100
.165	.000	.00753	.01545	.00500	.00000	.10300	-.10100
.165	4.900	.00724	.01480	-.02400	.00300	.35200	-.13700
.165	9.900	.00755	.01558	-.05200	.00700	.53200	-.18600
.165	14.900	.00952	.01759	-.12700	.01900	.72100	-.24300
.165	19.900	.01035	.02264	-.24500	.03700	.00300	-.29700
	GRADIENT	.00028	.00073	-.01050	.00300	.03610	-.01110

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PDT044) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/D = .206 DDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 44 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-4.000	.00775	.01584	-.10900	.01600	.05400	-.07400
.165	.000	.00759	.01491	-.10900	.01600	.21900	-.11500
.165	4.900	.00743	.01543	-.12500	.01900	.37400	-.15100
.165	9.900	.00756	.01541	-.17000	.02500	.55100	-.19800
.165	14.900	.01017	.01742	-.22000	.03300	.73600	-.24300
.165	19.900	.01073	.02417	-.29400	.04400	.01900	-.27400
	GRADIENT	.00032	.00088	-.01240	.00190	.02660	-.00780

OA57 B16C5F1 J15 WRTE16X9 INTEG CPS, HM, BASE (PDT045) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DELTA =	.000	PTN/P =	.000
H/D =	.125	DDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 45 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CADI	CHME	CNE	CN	CLM
.165	-4.000	.00578	.01701	-.01000	.00200	-.03300	-.07400
.165	.000	.00624	.01599	-.03000	.00700	.20500	-.12700
.165	4.900	.00712	.01517	-.07000	.01000	.49000	-.20600
.165	9.900	.00795	.01555	-.12300	.01000	.69500	-.24400
.165	14.900	.00903	.01685	-.19400	.02000	.86400	-.29000
.165	19.900	.00997	.02395	-.25300	.03000	.94500	-.33900
	GRADIENT	.00020	.00004	-.01300	.00200	.02000	-.00050

OA57 B16C5F1 J15 WRTE16X9 INTEG CPS, HM, BASE (PDT046) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DELTA =	.000	PTN/P =	1.300
H/D =	.125	DDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 46 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 22.00

MACH	ALPHA	CADC	CADI	CHME	CNE	CN	CLM
.165	-4.000	.00672	.01988	.00500	.00000	-.17100	-.03100
.165	.000	.00704	.01819	-.03700	.00500	.13000	-.10300
.165	4.900	.01195	.01814	-.07200	.01100	.44400	-.18700
.165	9.900	.00768	.01402	-.12700	.01900	.85300	-.23100
.165	14.900	.00912	.01522	-.15800	.02400	.05700	-.25100
.165	19.900	.00921	.01960	-.25800	.03900	1.00900	-.36200
	GRADIENT	.00015	.00056	-.01310	.00200	.04360	-.01510

OA97 D16C3F1 J15 W/BE10X9 INTEG CPS, HM, BASE (PD1047) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5930 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.125	DDFLAP =	-10.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 47/ 0 RN/L = 1.20 GRADIENT INTERVAL = 0.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-3.900	.00745	.01794	-.08900	.00900	-.02500	-.07000
.165	.000	.00770	.01613	-.08100	.01200	.21700	-.12000
.165	4.900	.00785	.01524	-.11600	.01700	.47300	-.16300
.165	10.000	.00826	.01 80	-.15900	02400	.64300	-.22000
.165	14.900	.00808	.01669	-.20100	.03000	.07600	-.30300
.165	19.900	.01009	.02300	-.29000	.04500	.99300	-.34700
	GRADIENT	.00018	.00091	-.01418	.00212	.03531	-.01101

OA97 D16C3F1 J15 W/BE10X0 INTEG CPS, HM, BASE (PD1048) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.125	DDFLAP =	-10.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 46/ 0 RN/L = 1.20 GRADIENT INTERVAL = 0.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-4.000	.00678	.02253	-.08300	.01200	-.33500	.00000
.165	.000	.00715	.01980	-.14100	.02100	.06400	-.09500
.165	4.900	.00743	.01701	-.18700	.02900	.39300	-.16800
.165	9.900	.00712	.01400	-.22300	.03400	.65100	-.24000
.165	14.900	.00806	.01412	-.27800	.04200	.88400	-.31100
.165	19.900	.00917	.01872	-.36700	.05500	1.14200	-.40800
	GRADIENT	.00021	.00047	-.01440	.00210	.04910	-.01660

OA57 B16C5F1 J15 W07E10X9 INTEG CPS, HM, CASE (PD T049) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/B = .038 DDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 49/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	10.000	.00508	.01538	-.10400	.02700	.71500	-.25900
.165	14.900	.00870	.01648	-.24200	.03600	.95300	-.34200
.165	19.900	.00850	.02262	-.33200	.05000	1.12000	-.39700
	GRADIENT	.00035	.00073	-.01506	.00232	.04008	-.01393

OA57 B16C5F1 J15 W07E10X0 INTEG CPS, HM, CASE (PD T050) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/B = .038 DDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 50/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	9.900	.00924	.01687	-.69800	.10800	1.02300	-.41700
.165	14.900	.01064	.02060	-.87900	.10300	1.10400	-.43600
.165	19.900	.01045	.02832	-.87500	.10200	1.20000	-.51200
	GRADIENT	.00012	.00075	.00230	-.00040	.02670	-.00950

OA57 B16C5F1 J15 W07E10X0 INTEG CPS, HM, CASE (PD T051) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.300
H/B = .038 DDFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 51/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	9.900	.00240	.01022	-.30100	.05800	.76100	-.23100
.165	14.900	-.00090	.00286	-.40100	.06100	.81300	-.31600
.165	9.900	-.00556	-.00638	-.49300	.07500	.88500	-.34300
	GRADIENT	-.00080	-.00166	-.01120	.00170	-.00240	.00740

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PD1052) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 52 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00676	.01478	-.20400	.03100	.76700	-.27500
.165	14.900	.00666	.01643	-.25500	.03800	.97000	-.33900
.165	19.900	.01010	.02423	-.35600	.05400	1.12100	-.48100
	GRADIENT	.00033	.00005	-.01520	.00230	.03540	-.01260

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PD1053) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	15.000

RUN NO. 53 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	10.000	.00517	.01677	.15500	-.02300	.64900	-.24600
.165	15.000	.00681	.01934	.09800	-.01400	.88400	-.32900
.165	19.900	.00800	.02316	.02600	-.00450	1.06600	-.39100
	GRADIENT	.00029	.00065	-.01282	.00102	.04214	-.01465

OA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (PD1054) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	15.000

RUN NO. 54 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	10.000	.00849	.02165	.20300	-.03000	.91400	-.35600
.165	14.900	.01013	.02087	.14000	-.02100	1.05700	-.43700
.165	20.000	.01041	.02338	.06200	-.00900	1.32200	-.53300
	GRADIENT	.00019	.00018	-.01411	.00210	.04088	-.01373

OA57 B16C3F1 J15 W87E18X9 INTEG CPS, HM, CASE (PDT055) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .038 DDFLAP = -18.000
ELEVON = .000 AILRON = 15.000

RUN NO. 55 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CHME	CNE	CN	CLM
.165	9.900	.00824	.01784	.15200	-.02300	.66800	-.26400
.165	14.900	.00783	.02011	.11700	-.01700	.87200	-.32600
.165	19.900	.00928	.02524	.03500	-.00500	1.06300	-.39800
	GRADIENT	.00030	.00074	-.01170	.00160	.03750	-.01340

OA57 B16C3F1 J15 W87E18X9 INTEG CPS, HM, CASE (PDT056) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .038 DDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 56 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CHME	CNE	CN	CLM
.165	10.000	.00[illegible]	.01987	.00700	-.00100	.48700	-.15000
.165	15.000	.00000	.02140	-.12600	.01900	.63600	-.20500
.165	20.000	.00020	.02223	-.24000	.03700	.88500	-.30300
	GRADIENT	.00027	.00024	-.02550	.00380	.03000	-.01530

OA57 B16C3F1 J15 W87E18X9 INTEG CPS, HM, CASE (PDT057) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .038 DDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 57 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CHME	CNE	CN	CLM
.165	10.000	.00497	.01708	-.00800	.00100	.42700	-.11300
.165	15.000	.00622	.01840	-.08400	.01200	.64100	-.19700
.165	20.000	.00758	.02322	-.20000	.03000	.86400	-.28300
	GRADIENT	.00026	.00081	-.01920	.00290	.04370	-.01700

OA57 B16C5F1 J15 W07E18X9 INTEG CPS, HM, CASE (PDT058) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 58/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	9.900	.00439	.01638	-.00700	.00100	.42200	-.12600
.165	15.000	.00543	.01703	-.00200	.01200	.66200	-.21500
.165	19.900	.00721	.02238	-.18400	.02600	.00600	-.30100
	GRADIENT	.00028	.00060	-.01768	.00270	.04030	-.01730

OA57 B16C5F1 J15 W07E18X9 INTEG CPS, HM, CASE (PDT059) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.125	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 59/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CHME	CNE	CN	CLM
.165	-3.900	.00451	.01634	.08400	-.01200	-.39900	.08500
.165	.000	.00307	.01460	.05700	-.00800	-.14500	.03100
.165	4.900	.00417	.01558	.03700	-.00500	.09800	-.03600
.165	9.900	.00362	.01448	-.00100	.00000	.30900	-.08800
.165	14.900	.00480	.01600	-.04900	.00700	.50500	-.14500
.165	19.900	.00695	.02141	-.12900	.01900	.72800	-.22300
	GRADIENT	.00033	.00069	-.01280	.00190	.04190	-.01350

DA37 B16C3F1 J15 W87E18X9 INTEG CPS, HM, CASE (PDTD80) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.900
H/C = .125 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 60 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-3.900	.00714	.02120	.14700	-.02200	-.77900	.19600
.165	.000	.00754	.01955	.12700	-.01900	-.39100	.11900
.165	4.900	.00704	.01779	.09200	-.01400	-.04300	.02000
.165	9.900	.00612	.01570	.04600	-.00700	.22900	-.04700
.165	15.000	.00706	.01548	.01100	-.00100	.47000	-.11800
.165	19.900	.00888	.02028	-.07700	.01100	.72500	-.21000
	GRADIENT	.00028	.00045	-.01226	.00180	.04959	-.01628

DA37 D16C3F1 J15 W87E18X9 INTEG CPS, HM, CASE (PDTD81) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .125 DOFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 61 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CHME	CNE	CN	CLM
.165	-4.000	.00536	.01695	.08900	-.01300	-.39000	.09300
.165	.000	.00530	.01544	.06100	-.00900	-.12500	.03300
.165	4.900	.00469	.01474	.03600	-.00500	.12000	-.02800
.165	9.900	.00492	.01526	.00400	.00000	.31300	-.08100
.165	14.900	.00612	.01658	-.04100	.00600	.51600	-.13700
.165	19.900	.00755	.02132	-.12100	.01600	.74300	-.21400
	GRADIENT	.00026	.00061	-.01250	.00180	.04300	-.01330

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (RD1001) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

ALPHA =	10.000	DETA =	.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000
MACH =	.160		

RUN NO. 1 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

ALPHA	PTN/P	CADC	CAB1	CPD1	CPD2	CPD3	CPD4	CPD5
9.900	.999	.00599	.01513	-.17500	-.16200	-.16300	-.18700	-.18300
9.900	1.047	.00625	.01559	-.17900	-.16000	-.16900	-.19300	-.18000
9.900	1.142	.00609	.01576	-.18600	-.19200	-.16000	-.19500	-.18700
9.900	1.348	.00623	.01567	-.18100	-.18600	-.16000	-.20200	-.19400
9.900	1.613	.00143	-.00443	.02300	.01600	.02400	.02900	.16600
9.900	2.408	.00875	.01936	-.26700	-.24500	-.20300	-.21700	-.20800
	GRADIENT	-.00018	.00007	-.03415	-.01323	-.00062	.01177	.03155

OA57 B16C5F1 .24 W87E18X9 INTEG CPS, HM, BASE (RD1002) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 2 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAB1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	9.900	.00606	.01556	-.17700	-.18500	-.15600	-.20000	-.19600
.165	14.900	.00593	.01638	-.17500	-.18600	-.17800	-.21500	-.21100
.165	19.900	.00767	.01961	-.22700	-.21700	-.20700	-.25400	-.25000
	GRADIENT	.00016	.00040	-.00500	-.00320	-.00400	-.00540	-.00540

OA57 B16C5F1 J24 W07E18X9 INTEG CPS, HM, BASE (RD1003) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 3 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	9.900	.00694	.01644	-.20100	-.20500	-.15900	-.20800	-.19400
.165	14.900	.00584	.01593	-.17500	-.18300	-.16900	-.20500	-.20500
.165	20.000	.00713	.01905	-.19800	-.20600	-.21800	-.26100	-.24100
	GRADIENT	.00002	.00026	.00048	-.00011	-.00585	-.00527	-.00466

OA57 B16C5F1 J24 W07E18X9 INTEG CPS, HM, BASE (RD1004) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.038	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 4 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	10.000	.00675	.01902	-.27400	-.22400	-.18300	-.22400	-.21500
.165	15.000	.00584	.01734	-.21800	-.19300	-.17800	-.21900	-.21200
.165	20.000	.01607	.01922	-.23900	-.20800	-.20200	-.21900	-.26500
	GRADIENT	.00093	.00002	.00350	.00160	-.00100	.00050	-.00500

OA37 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RD1005) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/C = .125 ODFLAP = -10.000
ELEVON = .000 AILRON = .000

RUN NO. 5 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-3.900	.00870	.01578	-.14100	-.15200	-.16300	-.22900	-.22200
.165	.000	.00520	.01508	-.13200	-.14000	-.17000	-.22700	-.21700
.165	4.900	.00509	.01388	-.12300	-.13000	-.15500	-.20600	-.20200
.165	10.000	.00575	.01438	-.13[illegible]00	-.13400	-.16900	-.21000	-.19800
.165	14.900	.00581	.01451	-.13200	-.12800	-.16200	-.20800	-.20200
.165	20.000	.00777	.01813	-.15000	-.13500	-.24000	-.27400	-.26800
	GRADIENT	.00020	.00038	-.00161	-.00011	-.00713	-.00644	-.00704

OA37 B16C5F1 J24 W87E18X9 INTEG CPS, HM, CASE (RD1006) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/C = .125 ODFLAP = -10.000
ELEVON = .000 AILRON = .000

RUN NO. 6 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CABC	CAB1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-4.000	.00875	.01711	-.15200	-.19700	-.19500	-.23600	-.22800
.165	.000	.00832	.01556	-.14000	-.17300	-.17300	-.22000	-.21100
.165	4.900	.00383	.01435	-.13200	-.15800	-.15500	-.20400	-.19500
.165	9.900	.00594	.01488	-.13400	-.16700	-.16900	-.20500	-.19900
.165	14.900	.00598	.01550	-.13700	-.17600	-.17500	-.21400	-.21100
.165	19.900	.00801	.02045	-.15700	-.24600	-.24900	-.27700	-.27600
	GRADIENT	.00021	.00056	-.00230	-.00790	-.00800	-.00720	-.00770

OA57 B16C3F1 .24 W87E10X9 INTEG CPS, HM, BASE (RD1007) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.3980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.500
H/D =	.125	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 7/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-3.900	.00877	.01830	-.20400	-.20800	-.19100	-.24400	-.23100
.165	.000	.00847	.01748	-.20000	-.18000	-.17300	-.24200	-.21800
.165	4.900	.00823	.01638	-.19100	-.17600	-.15900	-.22600	-.21200
.165	9.900	.00790	.01514	-.18700	-.16300	-.15700	-.20700	-.19700
.165	14.900	.00750	.01488	-.18000	-.15800	-.16400	-.19500	-.19000
.165	19.900	.00665	.01839	-.20000	-.20300	-.20400	-.23700	-.23800
	GRADIENT	.00009	.00033	-.00330	-.00400	-.00470	-.00300	-.00410

OA57 B16C3F1 .24 W87E10X9 INTEG CPS, HM, BASE (RD1008) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.3980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/D =	.125	DOFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 8/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-3.900	.00878	.02161	-.23700	-.26200	-.23500	-.27300	-.26800
.165	.000	.00736	.02001	-.22000	-.23600	-.19000	-.27100	-.25200
.165	5.000	.00655	.01741	-.19000	-.18000	-.17700	-.23000	-.22200
.165	9.900	.00600	.01554	-.17600	-.16000	-.16000	-.21000	-.20200
.165	15.000	.00534	.01467	-.16400	-.15500	-.16500	-.19100	-.18800
.165	19.900	.00670	.01863	-.21200	-.19900	-.21100	-.24000	-.23400
	GRADIENT	.00007	.00031	-.00356	-.00308	-.00507	-.00205	-.00316

OA57 B18C5F1 .24 W07E18X9 INTEG CPS, HM, CASE (RD1009) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.000
H/D =	.206	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 9/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-4.000	.00551	.01521	-.16100	-.17100	-.16400	-.21000	-.18900
.165	.000	.00812	.01459	-.17400	-.14400	-.14500	-.20900	-.20700
.165	4.900	.00544	.01426	-.14500	-.15600	-.15300	-.19000	-.18700
.165	9.900	.00570	.01437	-.14400	-.15700	-.14900	-.20500	-.19100
.165	14.900	.00577	.01530	-.15200	-.16900	-.17000	-.21000	-.19900
.165	19.900	.00732	.01976	-.21600	-.22500	-.21600	-.25300	-.25500
	GRADIENT	.00018	.00054	-.00720	-.00600	-.00670	-.00480	-.00640

OA57 B18C5F1 .24 W07E18X9 INTEG CPS, HM, CASE (RD1010) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
DREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.300
H/D =	.206	DDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 10/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAB1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-4.000	.00540	.01402	-.16600	-.13800	-.1[illegible]00	-.19400	-.18300
.165	.000	.00548	.01454	-.17500	-.14600	-.14700	-.20100	-.18700
.165	4.900	.00519	.01416	-.16100	-.14000	-.14700	-.19000	-.18500
.165	9.900	.00524	.01399	-.15300	-.14400	-.14900	-.19300	-.18400
.165	14.900	.00595	.01559	-.16700	-.17100	-.16900	-.20000	-.20100
.165	19.900	.00691	.01917	-.20500	-.21600	-.21400	-.24500	-.24500
	GRADIENT	.00017	.00052	-.00520	-.00740	-.00650	-.00520	-.00610

DA37 B16C5F1 .24 WBTE1610 INTEG CPS, HM, BASE (RD1011) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4010 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	.000
H/C =	.266	DOFLAP =	-10.000
ELEVON =	.000	AILRON =	.000

RUN NO. 11/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CASC	CA01	CP01	CP02	CP03	CP04	CP05
.165	-4.000	.00480	.01282	-.12700	-.13100	-.14700	-.16700	-.17100
.165	.000	.00461	.01215	-.11500	-.13200	-.14100	-.16400	-.16300
.165	4.900	.00455	.01225	-.11000	-.13400	-.14400	-.16000	-.16500
.165	9.900	.00494	.01240	-.11700	-.13600	-.13400	-.17100	-.16900
.165	14.900	.00578	.01446	-.14700	-.17200	-.15000	-.19300	-.18900
.165	19.900	.00706	.02000	-.22200	-.25200	-.23600	-.26200	-.25900
	GRADIENT	.00029	.00068	-.01050	-.01140	-.01020	-.00910	-.00900

DA37 B16C5F1 .24 WBTE1610 INTEG CPS, HM, BASE (RD1012) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

DETA =	.000	PTN/P =	1.900
H/C =	.266	DOFLAP =	-10.000
ELEVON =	.000	AILRON =	.000

RUN NO. 12/0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CASC	CA01	CP01	CP02	CP03	CP04	CP05
.165	-4.000	.00550	.01485	-.18400	-.15100	-.14100	-.20300	-.19400
.165	.000	.00650	.01434	-.17600	-.14000	-.14000	-.19600	-.18300
.165	4.900	.00525	.01385	-.16400	-.14100	-.14000	-.19500	-.17500
.165	9.900	.00552	.01337	-.15800	-.13400	-.13600	-.18700	-.17400
.165	14.900	.00540	.01446	-.15905	-.16000	-.15300	-.19300	-.18600
.165	19.900	.00714	.01943	-.21100	-.22000	-.21200	-.25300	-.24000
	GRADIENT	.00021	.00061	-.00550	-.00760	-.00765	-.00660	-.00750

OA57 D18C5F1 .24 W07E10X9 INTEG CPS, HM, CASE (RD1013) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.F.T. XMRP = 43.5500 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DELTA = .000 PTN/P = 1.000
H/L = .208 DFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 13/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-4.000	.00752	.01882	-.23000	-.20600	-.19200	-.24100	-.24000
.165	.000	.00743	.01885	-.22400	-.20700	-.20200	-.23700	-.23000
.165	4.000	.00690	.01720	-.20700	-.18700	-.18200	-.22100	-.21900
.165	9.000	.00688	.01747	-.20600	-.19000	-.18400	-.22500	-.22500
.165	14.000	.00702	.01958	-.21500	-.21300	-.20400	-.23100	-.23600
.165	19.000	.00997	.02681	-.31700	-.31400	-.28000	-.33400	-.32500
	GRADIENT	.00031	.00003	-.01110	-.01260	-.01040	-.01000	-.01000

OA57 D18C5F1 .24 W07E10X9 INTEG CPS, HM, CASE (RD1014) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.F.T. XMRP = 43.5500 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DELTA = .000 PTN/P = 1.300
H/L = .208 DFLAP = -10.000
ELEVON = 15.000 AILRON = .000

RUN NO. 14/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CADC	CAD1	CPD1	CPD2	CPD3	CPD4	CPD5
.165	-4.000	.00742	.01885	-.22300	-.20500	-.19000	-.24200	-.23200
.165	.000	.00710	.01768	-.21300	-.19500	-.17500	-.22000	-.23000
.165	4.000	.00689	.01700	-.21000	-.19500	-.17100	-.21900	-.21800
.165	9.000	.00659	.01703	-.20400	-.19600	-.17700	-.21700	-.21700
.165	14.000	.00690	.01801	-.21100	-.20500	-.19600	-.22700	-.23[illegible]0
.165	19.000	.00905	.02473	-.28600	-.28300	-.27000	-.30900	-.30900
	GRADIENT	.00025	.00077	-.00920	-.00970	-.00930	-.00920	-.00920

OA57 B16C5F1 .24 W87E10X9 INTEG CPS, HA, CASE (RD 015) (17 OCT 73)

REFERENCE DATA

SREF = 4.412C SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = .000
H/S = .206 DFLAP = -16.000
ELEVON = 15.000 AILRON = .000

RUN NO. 15 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CPC1	CPC2	CPC3	CPC4	CPC5
.165	-3.900	.00761	.01914	-.23500	-.21200	-.18500	-.24700	-.24400
.165	.000	.00704	.01787	-.21000	-.19400	-.18000	-.22500	-.23000
.165	4.900	.00696	.01715	-.20600	-.18500	-.17700	-.22000	-.22000
.165	9.900	.00677	.01752	-.20700	-.19400	-.18400	-.22400	-.22200
.165	14.900	.00700	.01743	-.21500	-.20000	-.19000	-.23400	-.24000
.165	19.900	.00902	.02706	-.31800	-.31600	-.29400	-.33500	-.33200
	GRADIENT	.00031	.00035	-.01110	-.01220	-.01060	-.01140	-.01100

OA57 B16C5F1 .24 W87E10X9 INTEG CPS .24, CASE (RD 016) (17 OCT 73)

REFERENCE DATA

SREF = 4.412C SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
DREF = 37.0350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

DETA = .000 PTN/P = 1.000
H/S = .206 DFLAP = -16.000
ELEVON = 15.000 AILRON = .000

RUN NO. 16 / 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00 / 22.00

MACH	ALPHA	CADC	CAD1	CPC1	CPC2	CPC3	CPC4	CPC5
.165	-4.000	.00734	.01845	-.22500	-.20400	-.18500	-.24100	-.23200
.165	.000	.00716	.01760	-.21000	-.19100	-.17700	-.22600	-.22400
.165	4.900	.00660	.01630	-.20000	-.17400	-.16400	-.21300	-.20800
.165	9.900	.00662	.01682	-.20100	-.17000	-.17700	-.21700	-.21600
.165	14.900	.00645	.01643	-.19300	-.17000	-.17300	-.21200	-.21000
.165	19.900	.00780	.02070	-.24500	-.23700	-.21900	-.26000	-.25800
	GRADIENT	.00012	.00039	-.00440	-.00590	-.00420	-.00430	-.00420

GA57 G16C5F1 .24 M=7E16XG INTEG CPS, HM, CASE (RD 0.17) (17 OCT 73)

REFERENCE DATA

SREF =	4.412G SQ.FT.	XMRP =	43.59HG FUS ST		
LREF =	19.23GG IN.	YMRP =	.0000 G.P.		
DREF =	37.93GG IN.	ZMRP =	-.405G W.P.		
SCALE =	.04G5 SCALE				

PARAMETRIC DATA

BETA =	.000	PITCH =	.000
MACH =	.125	ROLLAR =	-15.000
ELEVON =	15.000	AILERON =	.000

RUN NO. 17/ 0 RN/L = 1.25 GRADIENT INTERVAL = 0.00/ 22.00

MACH	ALPHA	CADC	CA01	CP 1	CP 2	CP 3	CP 4	CP 5
.165	-4.000	.00757	.01964	-.22F0G	-.207GG	-.213GG	-.257GG	-.253GG
.165	.000	.00714	.01961	-.20[illegible]	-.192GG	-.191GG	-.236GG	-.231GG
.165	4.000	.00703	.01775	-.21[illegible]	-.194GG	-.19[illegible]	-.229GG	-.226GG
.165	9.000	.00664	.01749	-.20[illegible]	-.194GG	-.19[illegible]	-.222GG	-.219GG
.165	14.000	.00737	.01965	-.236GG	-.22[illegible]	-.213GG	-.252GG	-.246GG
.165	19.000	00[illegible]	.02[illegible]	-.30[illegible]	-.20[illegible]	-.2[illegible]	-.32[illegible]	-.324GG
	GRADIENT	.0003[illegible]	.000[illegible]	-.01[illegible]	-.00[illegible]	-.00[illegible]	-.01[illegible]	-.01[illegible]

GA57 G16C5F1 .24 M=7E16XG INTEG CPS, HM, CASE (RD 0.16) (17 OCT 73)

REFERENCE DATA

SREF =	4.412G SQ.FT.	XMRP =	43.59HG FUS ST		
LREF =	19.23GG IN.	YMRP =	.0000 G.P.		
DREF =	37.93GG IN.	ZMRP =	-.405G W.P.		
SCALE =	.04G5 SCALE				

PARAMETRIC DATA

BETA =	.000	PITCH =	1.000
MACH =	.125	ROLLAR =	-15.000
ELEVON =	15.000	AILERON =	.000

RUN NO. 16/ 0 RN/L = 1.20 GRADIENT INTERVAL = 0.00/ 22.00

MACH	ALPHA	CADC	CA01	CP 1	CP 2	CP 3	CP 4	CP 5
.165	-4.000	.00641	.02124	-.254GG	-.232GG	-.22[illegible]	-.27[illegible]	-.267GG
.165	.000	.00702	.01[illegible]	-.23[illegible]	-.21[illegible]	-.20[illegible]	-.25[illegible]	-.25[illegible]
.165	4.000	.00721	.01[illegible]	-.21[illegible]	-.20[illegible]	-.19[illegible]	-.23[illegible]	-.23[illegible]
.165	9.000	.00666	.01706	-.21[illegible]	-.19[illegible]	-.1[illegible]	-.22[illegible]	-.22[illegible]
.165	14.000	.00744	.01993	-.23[illegible]	-.21[illegible]	-.21[illegible]	-.25[illegible]	-.247GG
.165	19.000	.00937	.02[illegible]	-.29[illegible]	-.25[illegible]	-.2[illegible]	-.32[illegible]	-.31[illegible]
	GRADIENT	.00027	.04076	-.00[illegible]	-.00[illegible]	-.00[illegible]	-.00[illegible]	-.00[illegible]

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, MM, BASE (RDTU19) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0406 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.500
H/B = .125 BDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 19/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00857	.02195	-.26600	-.24500	-.22200	-.28800	-.27100
.165	.000	.00846	.02136	-.26200	-.23300	-.21800	-.27600	-.26800
.165	4.900	.00751	.01888	-.22800	-.20300	-.19600	-.24500	-.24000
.165	9.900	.00623	.01644	-.18600	-.18000	-.18400	-.20900	-.20900
.165	14.900	.00562	.01720	-.20200	-.18500	-.18900	-.21900	-.21800
.165	20.000	.00799	.02084	-.24500	-.22900	-.22500	-.25600	-.27200
	GRADIENT	.00017	.00044	-.00585	-.00486	-.00407	-.00466	-.00625

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, MM, BASE (RDTU20) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/B = .125 BDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 20/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00379	.01048	-.12300	-.12600	-.11400	-.12700	-.12600
.165	.000	.00324	.00988	-.10400	-.10900	-.09600	-.10700	-.10600
.165	4.900	.00284	.00740	-.08500	-.08900	-.07500	-.09400	-.09000
.165	9.900	.00242	.00654	-.07300	-.07500	-.07100	-.08100	-.08300
.165	14.900	.00204	.00585	-.06600	-.06400	-.06700	-.07000	-.07500
.165	19.900	.00280	.00697	-.08900	-.08200	-.07500	-.07900	-.08500
	GRADIENT	.00004	.00004	-.00160	-.00070	-.00040	.00020	-.00020

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU21) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .038 EDFLAP = -18.000
ELEVCN = 15.000 AILRCN = .000

RUN NO. 21/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.01068	.02888	-.33800	-.33500	-.33400	-.34800	-.34600
.165	14.900	.01094	.03026	-.35500	-.34800	-.35600	-.36200	-.36100
.165	19.900	.01179	.03216	-.37300	-.37600	-.37800	-.38500	-.38200
	GRADIENT	.00011	.00033	-.00350	-.00410	-.00440	-.00370	-.00360

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU22) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.000
H/B = .038 EDFLAP = -18.000
ELEVCN = 15.000 AILRCN = .000

RUN NO. 22/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.01091	.02971	-.34800	-.34800	-.34500	-.35400	-.35500
.165	14.900	.01103	.03078	-.35400	-.35900	-.36300	-.36800	-.36900
.165	19.900	.01164	.03210	-.36500	-.37400	-.37900	-.38900	-.38500
	GRADIENT	.00007	.00024	-.00170	-.00260	-.00340	-.00350	-.00300

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU23) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.500
H/B = .038 EDFLAP = -18.000
ELEVCN = 15.000 AILRCN = .000

RUN NO. 23/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00272	.00709	-.08700	-.07900	-.07800	-.08700	-.08600
.165	14.900	.00291	.00759	-.08800	-.08900	-.08500	-.09100	-.09200
.165	19.900	.00361	.00995	-.09800	-.11600	-.11900	-.13000	-.12100
	GRADIENT	.00009	.00029	-.00110	-.00370	-.00410	-.00430	-.00350

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU24) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/B = .038 BDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 24/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00305	.00789	-.09800	-.09300	-.08000	-.09700	-.09500
.165	14.900	.00334	.00879	-.10600	-.10500	-.09400	-.10600	-.10500
.165	19.900	.00370	.00992	-.10300	-.11200	-.11300	-.13000	-.12500
	GRADIENT	.00006	.00020	-.00050	-.00190	-.00330	-.00330	-.00300

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU25) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.000
H/B = .038 BDFLAP = -18.000
ELEVON = -15.000 AILRON = .000

RUN NO. 25/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00296	.00794	-.10400	-.09100	-.08300	-.09400	-.09400
.165	14.900	.00291	.00810	-.09500	-.09300	-.09700	-.09500	-.09600
.165	20.000	.00367	.00932	-.10100	-.11300	-.11700	-.11300	-.10900
	GRADIENT	.00007	.00014	.00029	-.00218	-.00337	-.00189	-.00089

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU26) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.500
H/B = .038 BDFLAP = -18.000
ELEVON = -15.000 AILRON = .000

RUN NO. 26/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00349	.00968	-.12900	-.12300	-.10900	-.10300	-.10000
.165	14.900	.00320	.00890	-.11600	-.09700	-.10000	-.10900	-.10100
.165	19.900	.00359	.00947	-.10400	-.11400	-.11900	-.11200	-.10800
	GRADIENT	.00001	-.00002	.00250	.00090	-.00100	-.00040	-.00080

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, MM, BASE (RDTU27) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/B =	.038	BDFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

RUN NO. 27/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00376	.01054	-.14100	-.13300	-.12000	-.11500	-.11000
.165	14.900	.00349	.00968	-.13400	-.10100	-.11100	-.12100	-.10300
.165	19.900	.00378	.01005	-.10900	-.12100	-.12300	-.12000	-.11700
	GRADIENT	.00000	-.00005	.00320	.00120	-.00030	-.00050	-.00070

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, MM, BASE (RDTU28) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	.000
H/B =	.038	BDFLAP =	-18.000
ELEVON =	-15.000	AILRON =	.000

RUN NO. 28/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00268	.00718	-.09400	-.08000	-.07400	-.08700	-.08600
.165	14.900	.00256	.00721	-.08300	-.08300	-.08600	-.08500	-.08500
.165	19.900	.00311	.00877	-.09200	-.10700	-.10900	-.10600	-.10000
	GRADIENT	.00004	.00016	.00020	-.00270	-.00350	-.00190	-.00140

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU29) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.000
H/B = .125 BDFLAP = -18.000
ELEVON = -15.000 AILRON = .000

RUN NO. 29/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00233	.00654	-.08400	-.07800	-.06900	-.07600	-.07600
.165	.000	.00229	.00587	-.06800	-.07100	-.06200	-.07100	-.07300
.165	4.900	.00200	.00566	-.07000	-.06800	-.05900	-.06700	-.06800
.165	9.900	.00218	.00609	-.07600	-.07100	-.05900	-.07200	-.07900
.165	14.900	.00245	.00600	-.04800	-.07200	-.07000	-.08200	-.07900
.165	19.900	.00317	.00824	-.06600	-.10200	-.10800	-.10700	-.10100
	GRADIENT	.00010	.00021	.00100	-.00310	-.00490	-.00350	-.00220

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDTU30) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.500
H/B = .125 BDFLAP = -18.000
ELEVON = -15.000 AILRON = .000

RUN NO. 30/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00354	.00944	-.10300	-.12100	-.11500	-.11200	-.10400
.165	.000	.00283	.00765	-.07900	-.09800	-.08900	-.09400	-.08900
.165	4.900	.00267	.00719	-.05700	-.09600	-.09100	-.09100	-.08700
.165	9.900	.00296	.00716	-.04900	-.09600	-.09400	-.09400	-.08800
.165	14.900	.00287	.00657	-.04000	-.08300	-.08000	-.09300	-.08900
.165	19.900	.00270	.00698	-.04500	-.09500	-.09400	-.09100	-.08600
	GRADIENT	-.00003	-.00002	.00040	.00010	-.00000	.00030	.00020

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDT031) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 FTN/P = .000
H/B = .125 EDFLAP = -18.000
ELEVCN = -15.000 AILRCN = .000

RUN NO. 31/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00117	.00466	-.00900	-.06800	-.06200	-.06700	-.06600
.165	.000	.00079	.00419	-.00300	-.06500	-.05000	-.06500	-.06300
.165	4.900	.00043	.00398	.00200	-.06000	-.04900	-.06100	-.06400
.165	9.900	.00027	.00425	-.00700	-.05900	-.05200	-.06400	-.06700
.165	14.900	.00052	.00490	-.01000	-.06000	-.06900	-.07500	-.07300
.165	19.900	.00212	.00859	-.09600	-.10200	-.10800	-.10200	-.09700
	GRADIENT	.00018	.00043	-.00890	-.00430	-.00560	-.00380	-.00300

CA57 B16C5F1 J24 W87E18X9 INTEG CPS, HM, BASE (RDT032) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 FTN/P = 1.900
H/B = .125 EDFLAP = -18.000
ELEVCN = -15.000 AILRCN = .000

RUN NO. 32/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00315	.01233	-.15500	-.15200	-.14200	-.14200	-.13500
.165	.000	.00318	.01054	-.12700	-.13500	-.12100	-.12300	-.11500
.165	4.900	-.00121	.00656	.03300	-.08800	-.05700	-.11000	-.10500
.165	9.900	.00214	.00653	-.04000	-.09300	-.08400	-.08800	-.07700
.165	14.900	.00231	.00597	-.03200	-.07600	-.07300	-.08600	-.08400
.165	19.900	.00245	.00662	-.04100	-.08600	-.09300	-.09000	-.07900
	GRADIENT	.00003	.00001	-.00010	.00070	-.00090	-.00020	-.00020

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDT033) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.000
H/B = .286 BDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 33/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00253	.01175	-.07100	-.13900	-.15400	-.16100	-.16600
.165	.000	.00222	.01110	-.06400	-.13100	-.14400	-.15300	-.16100
.165	4.900	.00247	.01110	-.05900	-.13600	-.13900	-.15700	-.16100
.165	9.900	.00291	.01216	-.06500	-.15400	-.15100	-.17500	-.17000
.165	15.000	.00450	.01379	-.08000	-.15600	-.17400	-.20100	-.20000
.165	19.900	.00669	.01841	-.11100	-.23200	-.24200	-.25300	-.24700
	GRADIENT	.00038	.00062	-.00459	-.00775	-.00907	-.00768	-.00769

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDT034) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/B = .286 BDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 34/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00601	.01141	-.11300	-.12000	-.13900	-.15100	-.14800
.165	.000	.00679	.01169	-.13900	-.11900	-.13300	-.15200	-.14500
.165	4.900	.00697	.01204	-.12700	-.13700	-.14000	-.15300	-.15000
.165	9.900	.00630	.00933	-.01400	-.13200	-.11800	-.14600	-.13900
.165	14.900	.00695	.01150	-.01900	-.14100	-.15300	-.18800	-.17600
.165	19.900	.00829	.01547	-.04100	-.21500	-.23200	-.24500	-.17800
	GRADIENT	.00020	.00061	-.00270	-.00830	-.01140	-.00990	-.00390

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU35) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.300
H/B = .286 BDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 35/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00460	.00975	.01000	-.13500	-.14600	-.14900	-.15300
.165	.000	.00452	.00998	.00000	-.13900	-.14300	-.15100	-.15400
.165	4.900	.00375	.00911	.00800	-.11400	-.13600	-.14600	-.14800
.165	9.900	.00381	.00966	.00200	-.10400	-.13800	-.16700	-.16200
.165	14.900	.00466	.01161	-.01700	-.10900	-.17600	-.19300	-.18800
.165	19.900	.00608	.01440	-.03200	-.09900	-.23600	-.24200	-.23800
	GRADIENT	.00023	.00047	-.00340	.00060	-.00980	-.00750	-.00760

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU36) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .286 BDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 36/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00219	.00933	.09600	-.15700	-.16000	-.16300	-.16400
.165	.000	.00219	.00884	.09500	-.14100	-.15200	-.16000	-.16300
.165	4.900	.00222	.00863	.09900	-.14300	-.14600	-.15600	-.16100
.165	9.900	.00249	.00925	.09000	-.13900	-.15100	-.16900	-.17500
.165	14.900	.00309	.01097	.06700	-.15100	-.17000	-.19500	-.19700
.165	19.900	.00490	.01736	-.02100	-.23000	-.25200	-.25900	-.26100
	GRADIENT	.00024	.00081	-.01110	-.00910	-.01010	-.00900	-.00860

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU37) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/B =	.286	EDFLAP =	-18.000
ELEVON =	5.000	AILRON =	.000

RUN NO. 37/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00557	.01258	-.13600	-.13700	-.12700	-.17000	-.17100
.165	.000	.00656	.01363	-.14900	-.15100	-.13400	-.18400	-.18400
.165	4.900	.00597	.01290	-.12900	-.14600	-.14300	-.17500	-.16500
.165	9.900	.00573	.01323	-.12800	-.16300	-.13800	-.18000	-.17000
.165	14.900	.00578	.01425	-.12600	-.17000	-.16400	-.18900	-.19000
.165	19.900	.00786	.01979	-.17000	-.23200	-.24900	-.25700	-.25600
	GRADIENT	.00021	.00066	-.00420	-.00690	-.01110	-.00770	-.00860

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU38) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.300
H/B =	.286	EDFLAP =	-18.000
ELEVON =	5.000	AILRON =	.000

RUN NO. 38/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00565	.01335	-.13700	-.15200	-.13800	-.18000	-.17800
.165	.000	.00541	.01223	-.12900	-.13200	-.12300	-.16800	-.16800
.165	4.900	.00478	.01184	-.11200	-.14200	-.12100	-.16800	-.15300
.165	9.900	.00488	.01287	-.11700	-.15200	-.13900	-.17700	-.17100
.165	14.900	.00566	.01466	-.12500	-.17600	-.16300	-.19600	-.20200
	GRADIENT	.00016	.00036	-.00160	-.00480	-.00480	-.00380	-.00620

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDT039) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .286 BDFLAP = -18.000
ELEVON = 5.000 AILRON = .000

RUN NO. 39/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00313	.01419	-.14100	-.16100	-.15600	-.19200	-.18500
.165	.000	.00258	.01315	-.12400	-.14700	-.15100	-.17800	-.17300
.165	4.900	.00239	.01306	-.09400	-.15600	-.15200	-.18800	-.17800
.165	9.900	.00239	.01306	-.09400	-.15600	-.15200	-.18800	-.17800
.165	14.900	.00384	.01459	-.09700	-.17300	-.17400	-.21200	-.20100
.165	19.900	.02641	.01851	-.19200	-.12800	-.24600	-.25600	-.25800
	GRADIENT	.00240	.00054	-.00980	.00280	-.00940	-.00680	-.00900

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDT040) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.000
H/B = .286 BDFLAP = -18.000
ELEVON = 5.000 AILRON = .000

RUN NO. 40/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00539	.01422	-.12600	-.17000	-.15900	-.19200	-.19000
.165	.000	.00491	.01316	-.12100	-.15300	-.15000	-.17800	-.17200
.165	4.900	.00461	.01337	-.11800	-.15300	-.15600	-.17900	-.18100
.165	9.900	.00450	.01371	-.11100	-.16300	-.15400	-.19200	-.18600
.165	14.900	.00579	.01542	-.12600	-.18300	-.17600	-.21200	-.21000
.165	19.900	.00711	.01990	-.14700	-.24000	-.25400	-.26800	-.26300
	GRADIENT	.00026	.00062	-.00360	-.00770	-.01000	-.00760	-.00770

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU41) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .286 BDFLAP = -1^.000
ELEVON = 15.000 AILRON = .000

RUN NO. 41/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00656	.01654	-.18300	-.18700	-.18500	-.21100	-.20800
.165	.000	.00602	.01530	-.16600	-.16600	-.18300	-.19400	-.19100
.165	4.900	.00567	.01455	-.15100	-.16500	-.17800	-.18000	-.18200
.165	9.900	.00607	.01552	-.15100	-.17500	-.18100	-.20300	-.20300
.165	14.900	.00800	.01678	-.15400	-.19300	-.19700	-.22300	-.21900
.165	19.900	.00940	.02329	-.18700	-.27400	-.29100	-.31500	-.30500
	GRADIENT	.00033	.00078	-.00360	-.00990	-.01100	-.01120	-.01020

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU42) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/B = .286 BDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 42/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00612	.01565	-.18300	-.17800	-.16700	-.20000	-.19400
.165	.000	.00662	.01570	-.19700	-.17200	-.15900	-.20200	-.19400
.165	4.900	.00659	.01487	-.18900	-.16400	-.15100	-.18600	-.18400
.165	9.900	.00700	.01551	-.19400	-.17500	-.15900	-.19500	-.18900
.165	14.900	.00854	.01625	-.19900	-.17800	-.16900	-.21100	-.20000
.165	19.900	.01019	.02175	-.23500	-.24800	-.24100	-.28200	-.27600
	GRADIENT	.00032	.00062	-.00410	-.00730	-.00820	-.00870	-.00870

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU43) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.300
H/B = .286 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 43/ 0 RNYL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00747	.01566	-.16700	-.18200	-.16900	-.20200	-.20200
.165	.000	.00758	.01545	-.17700	-.17300	-.16400	-.20000	-.19600
.165	4.900	.00724	.01480	-.16700	-.16000	-.16400	-.19200	-.18800
.165	9.900	.00755	.01558	-.17100	-.17900	-.17000	-.19900	-.19800
.165	14.900	.00952	.01759	-.18900	-.19600	-.19800	-.22500	-.22700
.165	19.900	.01035	.02284	-.20600	-.26400	-.27700	-.30500	-.29200
	GRADIENT	.00128	.00073	-.00350	-.00850	-.01070	-.01060	-.00840

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU44) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.000
H/B = .286 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 44/ 0 RNYL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00775	.01564	-.13800	-.19100	-.18100	-.21000	-.20100
.165	.000	.00759	.01491	-.14400	-.16700	-.17200	-.19900	-.19400
.165	4.900	.00743	.01543	-.14500	-.18000	-.17900	-.20300	-.20100
.165	9.900	.00756	.01541	-.14000	-.18300	-.18000	-.20400	-.20100
.165	14.900	.01017	.01742	-.16100	-.20000	-.20500	-.22700	-.23200
.165	19.900	.01073	.02417	-.19500	-.29500	-.30000	-.31800	-.31600
	GRADIENT	.00132	.00088	-.00550	-.01120	-.01200	-.01140	-.01150

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MN, BASE (RDTU45) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .125 BDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 45/ 0 RN/L = 1.80 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00576	.01701	-.15700	-.20200	-.19500	-.22500	-.22200
.165	.000	.00624	.01599	-.15200	-.18100	-.18700	-.21300	-.20800
.165	4.900	.00712	.01517	-.14900	-.17200	-.18000	-.19700	-.19400
.165	9.900	.00795	.01555	-.14300	-.18300	-.18100	-.20400	-.20400
.165	14.900	.00903	.01685	-.15100	-.19700	-.20100	-.22000	-.22700
.165	19.900	.00997	.02395	-.21200	-.28100	-.29400	-.31500	-.30800
	GRADIENT	.00020	.01084	-.00690	-.00980	-.01130	-.01110	-.01040

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MN, BASE (RDTU46) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.300
H/B = .125 BDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 46/ 0 RN/L = 1.80 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00672	.01956	-.20200	-.24300	-.21300	-.25100	-.24300
.165	.000	.00704	.01819	-.19400	-.22100	-.19900	-.23200	-.22500
.165	4.900	.01195	.01614	-.23500	-.16500	-.18100	-.17100	-.19600
.165	9.900	.00768	.01432	-.13600	-.15800	-.16200	-.18600	-.18200
.165	14.900	.00912	.01522	-.12600	-.17200	-.19000	-.19800	-.21000
.165	19.900	.00921	.01960	-.16000	-.23200	-.24300	-.26100	-.25800
	GRADIENT	.00015	.00356	-.00240	-.00740	-.00810	-.00750	-.00760

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDTU47) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	FIN/P =	1.000
H/B =	.125	EDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 47/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00745	.01794	-.15400	-.22500	-.20300	-.23900	-.23400
.165	.000	.00770	.01613	-.14900	-.19000	-.18700	-.21300	-.21000
.165	4.900	.00785	.01524	-.14400	-.17500	-.17800	-.20300	-.19600
.165	10.000	.00826	.01480	-.13700	-.17000	-.17700	-.19600	-.19100
.165	14.900	.00896	.01689	-.14200	-.19900	-.20300	-.22200	-.22800
.165	19.900	.01008	.02380	-.20400	-.27600	-.30400	-.30900	-.30800
	GRADIENT	.00018	.00091	-.00679	-.01072	-.01285	-.01143	-.01183

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDTU48) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST		
LREF =	19.2300 IN.	YMRP =	.0000 B.P.		
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.		
SCALE =	.0405 SCALE				

PARAMETRIC DATA

BETA =	.000	FIN/P =	1.900
H/B =	.125	EDFLAP =	-18.000
ELEVON =	15.000	AILRON =	.000

RUN NO. 48/ 0 RNVL = 1.20 GRADIEN INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00678	.02253	-.23700	-.27900	-.25200	-.28500	-.27400
.165	.000	.00715	.01980	-.22700	-.23200	-.21400	-.24900	-.24300
.165	4.900	.00743	.01701	-.20200	-.19500	-.17800	-.21300	-.21300
.165	9.900	.00712	.01400	-.15500	-.15500	-.15700	-.18000	-.17700
.165	14.900	.00806	.01412	-.12900	-.16000	-.16700	-.17600	-.19700
.165	19.900	.00917	.01872	-.17200	-.21000	-.21700	-.25000	-.25200
	GRADIENT	.00021	.00047	-.00170	-.00550	-.00600	-.00700	-.00750

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDT049) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .038 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 49/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	10.000	.00508	.01538	-.13000	-.18400	-.19100	-.20000	-.20000
.165	14.900	.00670	.01648	-.12700	-.21800	-.21500	-.21500	-.19500
.165	19.900	.00850	.02262	-.17300	-.28700	-.28700	-.29800	-.28700
	GRADIENT	.00035	.00073	-.00436	-.01042	-.00971	-.00992	-.00842

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDT050) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/B = .038 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 50/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00924	.01887	-.22800	-.21100	-.19900	-.24000	-.23300
.165	14.900	.01064	.02060	-.19500	-.24400	-.27100	-.26800	-.23400
.165	19.900	.01045	.02632	-.22000	-.29800	-.33000	-.34800	-.35400
	GRADIENT	.00012	.00075	.00080	-.00870	-.01310	-.01080	-.01210

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDT051) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.300
H/B = .038 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 51/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00240	.01022	-.10500	-.12500	-.13200	-.12200	-.11500
.165	14.900	-.00090	.00286	-.05000	-.05300	-.04200	-.02200	.00000
.165	19.900	-.00556	-.00638	.07400	.05900	.06500	.08500	.09200
	GRADIENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDTU52) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.000
H/B = .038 EDFLAP = -18.000
ELEVON = 15.000 AILRON = .000

RUN NO. 52/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00676	.01478	-.12100	-.17200	-.18700	-.19500	-.19500
.165	14.900	.00866	.01643	-.12900	-.22000	-.21600	-.21600	-.18600
.165	19.900	.01010	.02423	-.18500	-.31700	-.31500	-.31200	-.29800
	GRADIENT	.00033	.00095	-.00640	-.01450	-.01280	-.01170	-.01030

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDTU53) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .038 EDFLAP = -18.000
ELEVON = .000 AILRON = 15.000

RUN NO. 53/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	10.000	.00517	.01677	-.15100	-.20000	-.19300	-.22200	-.22000
.165	15.000	.00681	.01934	-.15800	-.22800	-.24500	-.25400	-.25300
.165	19.900	.00800	.02316	-.18400	-.29700	-.29200	-.30100	-.29000
	GRADIENT	.00029	.00065	-.00333	-.00978	-.01000	-.00797	-.00707

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDTU54) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = 1.900
H/B = .038 EDFLAP = -18.000
ELEVON = .000 AILRON = 15.000

RUN NO. 54/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	10.000	.00849	.02165	-.25500	-.26300	-.25400	-.25100	-.25100
.165	14.900	.01013	.02087	-.22800	-.24000	-.26400	-.25600	-.24200
.165	20.000	.01041	.02338	-.22100	-.27000	-.30500	-.29500	-.28600
	GRADIENT	.00019	.00018	.00339	-.00074	-.00512	-.00442	-.00353

DATE 30 SEP 74 TABULATED SOURCE DATA - CA57A

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU55) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST
LREF =	19.2300 IN.	YMRP =	.0000 B.P.
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.
SCALE =	.0405 SCALE		

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/B =	.038	EDFLAP =	-18.000
ELEVON =	.000	AILRON =	15.000

RUN NO. 55/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00624	.01784	-.16200	-.21600	-.20700	-.23400	-.23100
.165	14.900	.00783	.02011	-.16700	-.24500	-.25600	-.26100	-.25500
.165	19.900	.00928	.02524	-.20800	-.32200	-.33000	-.32100	-.30600
	GRADIENT	.00030	.00074	-.00460	-.01060	-.01230	-.00870	-.00750

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU56) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST
LREF =	19.2300 IN.	YMRP =	.0000 B.P.
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.
SCALE =	.0405 SCALE		

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/B =	.03(	EDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 56/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	10.000	.00648	.01987	-.23800	-.24100	-.23900	-.22400	-.22700
.165	15.000	.00800	.02140	-.19600	-.24100	-.27400	-.27400	-.27400
.165	20.000	.00920	.02223	-.17700	-.25400	-.28900	-.29900	-.29100
	GRADIENT	.00027	.00024	.00610	-.00130	-.00500	-.00750	-.00640

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDTU57) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST
LREF =	19.2300 IN.	YMRP =	.0000 B.P.
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.
SCALE =	.0405 SCALE		

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/B =	.038	EDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 57/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	10.000	.00497	.01708	-.15300	-.20100	-.19800	-.22800	-.22500
.165	15.000	.00622	.01840	-.14300	-.22900	-.24000	-.24300	-.22700
.165	20.000	.00758	.02322	-.17800	-.27500	-.29700	-.31200	-.30500
	GRADIENT	.00026	.00061	-.00250	-.00740	-.00990	-.00840	-.00800

CA57 B16C5F1 J15 W87E18Y5 INTEG CPS, HM, BASE (RDT058) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .038 BDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 58/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	9.900	.00439	.01638	-.13800	-.19100	-.19600	-.22100	-.21800
.165	15.000	.00543	.01793	-.13400	-.23500	-.23300	-.23600	-.21800
.165	19.900	.00721	.02238	-.16900	-.27900	-.29200	-.29600	-.28100
	GRADIENT	.00028	.00060	-.00307	-.00880	-.00958	-.00747	-.00626

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, HM, BASE (RDT059) (17 OCT 73)

REFERENCE DATA

SREF = 4.4120 SQ.FT. XMRP = 43.5980 FUS ST
LREF = 19.2300 IN. YMRP = .0000 B.P.
BREF = 37.9350 IN. ZMRP = -.4050 W.P.
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 PTN/P = .000
H/B = .125 BDFLAP = -18.000
ELEVON = .000 AILRON = .000

RUN NO. 59/ 0 RNVL = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00451	.01634	-.15200	-.19700	-.18300	-.22000	-.21000
.165	.000	.00397	.01460	-.13700	-.17700	-.16000	-.20100	-.18400
.165	4.900	.00417	.01558	-.14300	-.19300	-.16800	-.20900	-.20400
.165	9.900	.00362	.01448	-.12300	-.17800	-.15700	-.19700	-.19600
.165	14.900	.00480	.01600	-.12500	-.19000	-.20100	-.21400	-.21300
.165	19.900	.00695	.02141	-.16700	-.26400	-.27200	-.28000	-.27700
	GRADIENT	.00033	.00069	-.00440	-.00860	-.01150	-.00830	-.00810



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CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDTD60) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST
LREF =	19.2300 IN.	YMRP =	.0000 B.P.
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.
SCALE =	.0405 SCALE		

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.900
H/B =	.125	BDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 60/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-3.900	.00714	.02120	-.22600	-.27000	-.25400	-.26100	-.23700
.165	.000	.00754	.01955	-.22000	-.24400	-.22300	-.23600	-.22700
.165	4.900	.00704	.01779	-.19600	-.21300	-.19300	-.22600	-.21900
.165	9.900	.00612	.01570	-.16300	-.18600	-.16400	-.21000	-.20100
.165	15.000	.00706	.01548	-.14300	-.18000	-.19200	-.20100	-.19400
.165	19.900	.00888	.02026	-.16300	-.25900	-.26200	-.26400	-.24600
	GRADIENT	.00028	.00045	.00003	-.00724	-.00977	-.00535	-.00446

CA57 B16C5F1 J15 W87E18X9 INTEG CPS, MM, BASE (RDTD61) (17 OCT 73)

REFERENCE DATA

SREF =	4.4120 SQ.FT.	XMRP =	43.5980 FUS ST
LREF =	19.2300 IN.	YMRP =	.0000 B.P.
BREF =	37.9350 IN.	ZMRP =	-.4050 W.P.
SCALE =	.0405 SCALE		

PARAMETRIC DATA

BETA =	.000	PTN/P =	1.000
H/B =	.125	BDFLAP =	-18.000
ELEVON =	.000	AILRON =	.000

RUN NO. 61/ 0 RN/L = 1.20 GRADIENT INTERVAL = 8.00/ 22.00

MACH	ALPHA	CABC	CAB1	CPB1	CPB2	CPB3	CPB4	CPB5
.165	-4.000	.00536	.01695	-.15400	-.20900	-.18800	-.23100	-.21600
.165	.000	.00530	.01544	-.14700	-.18300	-.16400	-.21300	-.20100
.165	4.900	.00469	.01474	-.12900	-.18400	-.15900	-.20100	-.19400
.165	9.900	.00492	.01526	-.13100	-.18400	-.17900	-.20500	-.19900
.165	14.900	.00612	.01658	-.13900	-.19100	-.20600	-.22100	-.21800
.165	19.900	.00755	.02132	-.16400	-.26700	-.28100	-.27900	-.26500
	GRADIENT	.00026	.00061	-.00330	-.00830	-.01020	-.00740	-.00660